

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054520.D
 Acq On : 21 Mar 2019 19:22
 Operator : JC/SP
 Sample : VN0321WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:15:37 PM

Quant Time: Mar 22 10:56:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	483313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	803396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	683200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	329042	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
35) Dibromofluoromethane	7.59	113	263925	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.09	98	973902	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	319681	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	99655	21.569	ug/l 100
3) Chloromethane	2.06	50	137785	21.918	ug/l 100
4) Vinyl Chloride	2.19	62	138593	21.959	ug/l 99
5) Bromomethane	2.58	94	79406	19.457	ug/l 98
6) Chloroethane	2.71	64	77107	20.368	ug/l 94
7) Trichlorofluoromethane	3.02	101	162060	21.143	ug/l 99
8) Diethyl Ether	3.41	74	59778	20.279	ug/l 76
9) 1,1,2-Trichlorotrifluoroet	3.75	101	86916	19.295	ug/l 96
10) Methyl Iodide	3.94	142	127142	19.187	ug/l 92
11) Tert butyl alcohol	4.82	59	41511	114.054	ug/l # 86
12) 1,1-Dichloroethene	3.73	96	91001	19.521	ug/l # 83
13) Acrolein	3.61	56	47252	94.078	ug/l 99
14) Allyl chloride	4.32	41	188331	21.454	ug/l # 91
15) Acrylonitrile	5.00	53	208667	115.128	ug/l 99
16) Acetone	3.82	43	153827	85.109	ug/l # 85
17) Carbon Disulfide	4.04	76	240923	19.288	ug/l 96
18) Methyl Acetate	4.33	43	93892	23.307	ug/l 90
19) Methyl tert-butyl Ether	5.05	73	303073	22.277	ug/l 96
20) Methylene Chloride	4.55	84	114252	21.444	ug/l # 84
21) trans-1,2-Dichloroethene	5.04	96	103524	21.748	ug/l 89
22) Diisopropyl ether	5.96	45	396994	22.928	ug/l # 94
23) Vinyl Acetate	5.90	43	1381591	112.976	ug/l # 93
24) 1,1-Dichloroethane	5.85	63	210069	22.532	ug/l 97
25) 2-Butanone	6.85	43	255544	110.373	ug/l # 88
26) 2,2-Dichloropropane	6.82	77	122014	18.359	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	122918	21.649	ug/l 90
28) Bromochloromethane	7.20	49	99738	21.734	ug/l # 74
29) Tetrahydrofuran	7.22	42	177004	117.809	ug/l # 85
30) Chloroform	7.37	83	202951	22.306	ug/l 99
31) Cyclohexane	7.65	56	202822	21.651	ug/l 88
32) 1,1,1-Trichloroethane	7.57	97	166899	22.235	ug/l 95
36) 1,1-Dichloropropene	7.79	75	152003	20.235	ug/l 96
37) Ethyl Acetate	6.94	43	114357	21.404	ug/l 97
38) Carbon Tetrachloride	7.77	117	142173	19.476	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054520.D
 Acq On : 21 Mar 2019 19:22
 Operator : JC/SP
 Sample : VN0321WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0321WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:15:37 PM

Quant Time: Mar 22 10:56:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	166854	19.418	ug/l	90
40) Benzene	8.04	78	450271	20.962	ug/l	99
41) Methacrylonitrile	7.18	41	66488	20.406	ug/l	89
42) 1,2-Dichloroethane	8.13	62	162962	20.832	ug/l	99
43) Isopropyl Acetate	8.17	43	191675	21.243	ug/l #	94
44) Trichloroethene	8.84	130	119521	20.014	ug/l	93
45) 1,2-Dichloropropane	9.12	63	125637	21.782	ug/l	99
46) Dibromomethane	9.21	93	73899	21.476	ug/l	89
47) Bromodichloromethane	9.40	83	146739	20.548	ug/l	97
48) Methyl methacrylate	9.20	41	100701	20.562	ug/l	86
49) 1,4-Dioxane	9.21	88	23024	420.533	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	544454	108.878	ug/l	94
52) Toluene	10.16	92	266955	20.206	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	129292	18.629	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	165863	20.256	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	100734	21.211	ug/l	98
56) Ethyl methacrylate	10.43	69	129689	20.346	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	174524	21.141	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	252883	96.346	ug/l	91
59) 2-Hexanone	10.75	43	335224	102.630	ug/l	93
60) Dibromochloromethane	10.90	129	102027	20.190	ug/l	99
61) 1,2-Dibromoethane	11.01	107	96407	20.534	ug/l	98
64) Tetrachloroethene	10.63	164	116818	20.614	ug/l	95
65) Chlorobenzene	11.43	112	279375	20.105	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	105202	21.093	ug/l	99
67) Ethyl Benzene	11.51	91	497597	20.272	ug/l	98
68) m/p-Xylenes	11.62	106	370018	39.799	ug/l	95
69) o-Xylene	11.95	106	183000	20.155	ug/l	98
70) Styrene	11.96	104	296736	20.125	ug/l	97
71) Bromoform	12.13	173	60759	19.106	ug/l #	98
73) Isopropylbenzene	12.25	105	482672	21.070	ug/l	99
74) N-amyl acetate	12.07	43	148334	22.520	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	118512	22.663	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	113693m	25.203	ug/l	
77) Bromobenzene	12.53	156	121059	21.308	ug/l	88
78) n-propylbenzene	12.59	91	516941	20.811	ug/l	96
79) 2-Chlorotoluene	12.67	91	321923	20.782	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	388659	20.701	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	22592	19.342	ug/l #	79
82) 4-Chlorotoluene	12.77	91	310507	20.680	ug/l	96
83) tert-Butylbenzene	12.99	119	338429	20.709	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	382002	20.736	ug/l	98
85) sec-Butylbenzene	13.17	105	423276	20.777	ug/l	97
86) p-Isopropyltoluene	13.29	119	370605	20.334	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	192236	20.418	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	183479	20.029	ug/l	98
89) n-Butylbenzene	13.62	91	274857	19.286	ug/l	98
90) Hexachloroethane	13.88	117	57753	20.414	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	191147	20.961	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16394	21.374	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
Data File : VN054520.D
Acq On : 21 Mar 2019 19:22
Operator : JC/SP
Sample : VN0321WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Manual Integrations
APPROVED

MMDadoda
3/22/2019 4:15:37 PM

Quant Time: Mar 22 10:56:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85878	18.891	ug/l	98
94) Hexachlorobutadiene	15.01	225	55229	20.143	ug/l	97
95) Naphthalene	15.13	128	198641	19.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	86281	19.070	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054520.D
 Acq On : 21 Mar 2019 19:22
 Operator : JC/SP
 Sample : VN0321WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample ID :
 VN0321WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:15:37 PM

Quant Time: Mar 22 10:56:11 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

