

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056789.D
 Acq On : 17 Jul 2019 12:14
 Operator : JC/SP
 Sample : VN0717WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 1:06:35 AM

Quant Time: Jul 18 01:41:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	310507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	486691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	427821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177188	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	173365	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.59	113	156363	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
50) Toluene-d8	10.09	98	587664	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	192457	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	49549	16.994	ug/l	99
3) Chloromethane	2.06	50	67596	17.244	ug/l	100
4) Vinyl Chloride	2.18	62	65806	17.433	ug/l	99
5) Bromomethane	2.55	94	40659	18.316	ug/l	91
6) Chloroethane	2.70	64	38854	17.663	ug/l	95
7) Trichlorofluoromethane	3.01	101	86788	17.918	ug/l	99
8) Diethyl Ether	3.41	74	34860	18.460	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	53021	18.220	ug/l	100
10) Methyl Iodide	3.95	142	69273	17.797	ug/l	98
11) Tert butyl alcohol	4.79	59	54590	95.488	ug/l	100
12) 1,1-Dichloroethene	3.73	96	51953	17.798	ug/l	96
13) Acrolein	3.61	56	16619	92.149	ug/l	96
14) Allyl chloride	4.32	41	88222	17.477	ug/l	99
15) Acrylonitrile	4.99	53	158098	95.761	ug/l	97
16) Acetone	3.82	43	132684	83.830	ug/l	99
17) Carbon Disulfide	4.05	76	124747	16.173	ug/l	98
18) Methyl Acetate	4.33	43	69427	18.926	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	169079	18.180	ug/l	100
20) Methylene Chloride	4.55	84	61992	17.923	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	55875	18.109	ug/l	97
22) Diisopropyl ether	5.95	45	187352	18.803	ug/l	95
23) Vinyl Acetate	5.90	43	761593	94.324	ug/l	100
24) 1,1-Dichloroethane	5.85	63	105881	18.329	ug/l	99
25) 2-Butanone	6.84	43	210112	90.800	ug/l	100
26) 2,2-Dichloropropane	6.82	77	73492	17.644	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	66648	18.772	ug/l	98
28) Bromochloromethane	7.19	49	58332	21.476	ug/l	100
29) Tetrahydrofuran	7.21	42	143361	94.987	ug/l	98
30) Chloroform	7.37	83	106942	18.499	ug/l	97
31) Cyclohexane	7.65	56	100286	18.265	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	85482	18.698	ug/l	99
36) 1,1-Dichloropropene	7.79	75	78345	17.396	ug/l	99
37) Ethyl Acetate	6.93	43	85100	19.172	ug/l	100
38) Carbon Tetrachloride	7.77	117	73642	17.436	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056789.D
 Acq On : 17 Jul 2019 12:14
 Operator : JC/SP
 Sample : VN0717WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0717WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 1:06:35 AM

Quant Time: Jul 18 01:41:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	94180	16.936	ug/l	98
40) Benzene	8.04	78	248308	17.994	ug/l	100
41) Methacrylonitrile	7.18	41	29751m	15.259	ug/l	
42) 1,2-Dichloroethane	8.12	62	81159	18.609	ug/l	99
43) Isopropyl Acetate	8.17	43	128184	18.369	ug/l	99
44) Trichloroethene	8.84	130	66300	17.693	ug/l	96
45) 1,2-Dichloropropane	9.12	63	66918	18.250	ug/l	96
46) Dibromomethane	9.21	93	42153	18.551	ug/l	99
47) Bromodichloromethane	9.40	83	78213	18.113	ug/l	98
48) Methyl methacrylate	9.20	41	61935	18.353	ug/l	99
49) 1,4-Dioxane	9.20	88	27061	390.797	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	418374	92.568	ug/l	100
52) Toluene	10.16	92	150515	18.366	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	79499	17.647	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	92656	17.724	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	62108	18.069	ug/l	98
56) Ethyl methacrylate	10.43	69	91798	18.561	ug/l	100
57) 1,3-Dichloropropane	10.71	76	104522	18.618	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	229502	96.498	ug/l	100
59) 2-Hexanone	10.75	43	299576	92.376	ug/l	99
60) Dibromochloromethane	10.90	129	61746	18.265	ug/l	99
61) 1,2-Dibromoethane	11.00	107	64159	18.782	ug/l	100
64) Tetrachloroethene	10.63	164	67757	18.358	ug/l	99
65) Chlorobenzene	11.43	112	158755	18.148	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	59389	18.439	ug/l	99
67) Ethyl Benzene	11.51	91	276392	17.978	ug/l	99
68) m/p-Xylenes	11.62	106	207696	36.150	ug/l	99
69) o-Xylene	11.95	106	101461	17.963	ug/l	99
70) Styrene	11.96	104	165487	18.122	ug/l	99
71) Bromoform	12.13	173	43850	17.893	ug/l #	99
73) Isopropylbenzene	12.25	105	266629	18.663	ug/l	100
74) N-amyl acetate	12.07	43	96596	18.155	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	88666	20.277	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	77684m	20.046	ug/l	
77) Bromobenzene	12.53	156	70030	18.740	ug/l	99
78) n-propylbenzene	12.59	91	284669	17.948	ug/l	100
79) 2-Chlorotoluene	12.67	91	178219	19.327	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	227308	18.772	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	22268	17.746	ug/l	94
82) 4-Chlorotoluene	12.77	91	168812	18.136	ug/l	99
83) tert-Butylbenzene	12.99	119	192652	19.530	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	221933	18.761	ug/l	99
85) sec-Butylbenzene	13.17	105	250660	18.630	ug/l	100
86) p-Isopropyltoluene	13.29	119	223511	18.337	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	109941	17.952	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	105727	17.748	ug/l	99
89) n-Butylbenzene	13.61	91	170834	17.400	ug/l	100
90) Hexachloroethane	13.87	117	33962	17.230	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	113245	18.080	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14621	19.085	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
Data File : VN056789.D
Acq On : 17 Jul 2019 12:14
Operator : JC/SP
Sample : VN0717WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Manual Integrations
APPROVED

MMDadoda
7/19/2019 1:06:35 AM

Quant Time: Jul 18 01:41:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47415	16.382	ug/l	99
94) Hexachlorobutadiene	15.01	225	38584	18.802	ug/l	99
95) Naphthalene	15.13	128	117758	15.807	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51122	17.214	ug/l	98

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
Data File : VN056789.D
Acq On : 17 Jul 2019 12:14
Operator : JC/SP
Sample : VN0717WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0717WBS01

Manual Integrations
APPROVED

MMDadoda
7/19/2019 1:06:35 AM

Quant Time: Jul 18 01:41:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration

