

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
 Data File : VN059672.D
 Acq On : 19 Dec 2019 15:49
 Operator : JC/SP
 Sample : VN1219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Manual Integrations
 APPROVED

apatel
 12/20/2019 9:20:45 AM

Quant Time: Dec 20 03:30:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	314154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136524	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	154864	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
35) Dibromofluoromethane	7.56	113	104747	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
50) Toluene-d8	10.08	98	400014	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.40	95	141378	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	52263	20.028	ug/l	99
3) Chloromethane	2.04	50	69319	16.740	ug/l	100
4) Vinyl Chloride	2.17	62	60543	15.417	ug/l	99
5) Bromomethane	2.54	94	38877	17.030	ug/l	98
6) Chloroethane	2.68	64	33317	15.096	ug/l	99
7) Trichlorofluoromethane	3.00	101	75980	17.635	ug/l	96
8) Diethyl Ether	3.38	74	25249	18.756	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	56297	25.928	ug/l	96
10) Methyl Iodide	3.92	142	50402	17.534	ug/l	99
11) Tert butyl alcohol	4.75	59	46191	85.741	ug/l	98
12) 1,1-Dichloroethene	3.71	96	54603	25.779	ug/l	96
13) Acrolein	3.58	56	34907	90.962	ug/l	98
14) Allyl chloride	4.29	41	82483	18.970	ug/l	99
15) Acrylonitrile	4.95	53	133781	102.662	ug/l	100
16) Acetone	3.78	43	147934	84.794	ug/l	97
17) Carbon Disulfide	4.02	76	123751	17.549	ug/l	99
18) Methyl Acetate	4.29	43	72032	19.704	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	153985	20.590	ug/l	100
20) Methylene Chloride	4.52	84	52004	20.639	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	46037	19.497	ug/l	99
22) Diisopropyl ether	5.92	45	169350	21.126	ug/l	96
23) Vinyl Acetate	5.86	43	716821	113.947	ug/l	99
24) 1,1-Dichloroethane	5.82	63	93013	20.483	ug/l	99
25) 2-Butanone	6.80	43	186969	89.620	ug/l	100
26) 2,2-Dichloropropane	6.79	77	83461	20.223	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	52433	20.040	ug/l	98
28) Bromochloromethane	7.17	49	40603	21.549	ug/l	97
29) Tetrahydrofuran	7.18	42	123971	97.529	ug/l	99
30) Chloroform	7.35	83	92002	20.583	ug/l	100
31) Cyclohexane	7.63	56	83965	19.570	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	80562	19.992	ug/l	99
36) 1,1-Dichloropropene	7.77	75	68097	20.786	ug/l	99
37) Ethyl Acetate	6.90	43	78175	20.530	ug/l	100
38) Carbon Tetrachloride	7.75	117	68009	20.005	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
 Data File : VN059672.D
 Acq On : 19 Dec 2019 15:49
 Operator : JC/SP
 Sample : VN1219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Manual Integrations
 APPROVED

apatel
 12/20/2019 9:20:45 AM

Quant Time: Dec 20 03:30:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	75653	20.358	ug/l	99
40) Benzene	8.02	78	203977	21.305	ug/l	100
41) Methacrylonitrile	7.15	41	32377m	20.603	ug/l	
42) 1,2-Dichloroethane	8.10	62	80990	22.089	ug/l	100
43) Isopropyl Acetate	8.14	43	124508	21.032	ug/l	99
44) Trichloroethene	8.82	130	52411	20.899	ug/l	98
45) 1,2-Dichloropropane	9.10	63	56686	21.925	ug/l	96
46) Dibromomethane	9.19	93	36264	21.410	ug/l	97
47) Bromodichloromethane	9.39	83	72253	21.395	ug/l	99
48) Methyl methacrylate	9.18	41	55009	20.480	ug/l	97
49) 1,4-Dioxane	9.18	88	13258	344.444	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	377139	106.848	ug/l	99
52) Toluene	10.14	92	122525	20.828	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	81059	20.754	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	86798	21.142	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	51246	22.200	ug/l	98
56) Ethyl methacrylate	10.42	69	70344	20.527	ug/l	99
57) 1,3-Dichloropropane	10.70	76	86502	21.522	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	126547	116.109	ug/l	99
59) 2-Hexanone	10.74	43	274690	98.743	ug/l	99
60) Dibromochloromethane	10.89	129	53246	21.134	ug/l	98
61) 1,2-Dibromoethane	11.00	107	49992	20.420	ug/l	99
64) Tetrachloroethene	10.62	164	50465	18.137	ug/l	99
65) Chlorobenzene	11.43	112	128904	19.959	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	50094	20.420	ug/l	99
67) Ethyl Benzene	11.50	91	231055	19.820	ug/l	99
68) m/p-Xylenes	11.62	106	170155	39.527	ug/l	100
69) o-Xylene	11.94	106	74689	18.234	ug/l	96
70) Styrene	11.96	104	117473	17.850	ug/l	97
71) Bromoform	12.12	173	34638	18.784	ug/l #	98
73) Isopropylbenzene	12.24	105	219662	20.496	ug/l	99
74) N-amyl acetate	12.07	43	90977	18.506	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	69159	20.343	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	69982m	20.706	ug/l	
77) Bromobenzene	12.52	156	52606	19.960	ug/l	99
78) n-propylbenzene	12.59	91	255379	20.158	ug/l	99
79) 2-Chlorotoluene	12.67	91	154947	20.227	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	182637	20.138	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	26022	19.017	ug/l	99
82) 4-Chlorotoluene	12.77	91	157010	20.018	ug/l	99
83) tert-Butylbenzene	12.99	119	152547	19.861	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	185000	20.514	ug/l	99
85) sec-Butylbenzene	13.17	105	205313	20.096	ug/l	99
86) p-Isopropyltoluene	13.28	119	185726	20.071	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	92584	19.103	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	90453	18.511	ug/l	97
89) n-Butylbenzene	13.61	91	164577	18.971	ug/l	99
90) Hexachloroethane	13.87	117	34090	19.490	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	93067	19.472	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15459	17.356	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
Data File : VN059672.D
Acq On : 19 Dec 2019 15:49
Operator : JC/SP
Sample : VN1219WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:45 AM

Quant Time: Dec 20 03:30:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	53037	17.184	ug/l	98
94) Hexachlorobutadiene	15.00	225	29742	18.805	ug/l	98
95) Naphthalene	15.12	128	154778	16.799	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	54877	17.580	ug/l	97

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

