

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121318\
 Data File : VD060554.D
 Acq On : 13 Dec 2018 12:00
 Operator : VA/AP
 Sample : VD1213SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 11:25:28 AM

Quant Time: Dec 14 01:27:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1630047	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2243713	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1812833	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	920850	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	583579	50.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	6.31	113	846176	51.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	9.44	98	2490133	52.21	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.41	95	866477	50.78	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	429952	24.345	ug/l	97
3) Chloromethane	1.77	50	399828	23.873	ug/l	100
4) Vinyl Chloride	1.87	62	312149	23.353	ug/l	100
5) Bromomethane	2.16	94	56010	16.750	ug/l	96
6) Chloroethane	2.27	64	79153	17.104	ug/l	99
7) Trichlorofluoromethane	2.52	101	319794	20.720	ug/l	94
8) Diethyl Ether	2.84	74	59543	22.336	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.09	101	228153	22.783	ug/l	98
10) Methyl Iodide	3.25	142	249049	21.276	ug/l	97
11) Tert butyl alcohol	3.97	59	42945	91.490	ug/l	96
12) 1,1-Dichloroethene	3.08	96	187572	23.022	ug/l	94
13) Acrolein	2.99	56	45758	89.215	ug/l	88
14) Allyl chloride	3.53	41	340005	21.995	ug/l	99
15) Acrylonitrile	4.09	53	284565	106.768	ug/l	96
16) Acetone	3.17	43	183660	99.170	ug/l	96
17) Carbon Disulfide	3.32	76	577089	21.806	ug/l	98
18) Methyl Acetate	3.56	43	106281	24.147	ug/l #	93
19) Methyl tert-butyl Ether	4.12	73	483516	21.400	ug/l	100
20) Methylene Chloride	3.72	84	384648	19.930	ug/l	94
21) trans-1,2-Dichloroethene	4.10	96	376273	21.231	ug/l	95
22) Diisopropyl ether	4.84	45	1189215	21.427	ug/l	95
23) Vinyl Acetate	4.79	43	2931601	106.610	ug/l	98
24) 1,1-Dichloroethane	4.74	63	611384	21.204	ug/l	99
25) 2-Butanone	5.61	43	357102	98.009	ug/l	99
26) 2,2-Dichloropropane	5.58	77	486587	21.846	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	385536	21.395	ug/l	96
28) Bromochloromethane	5.92	49	269008	21.061	ug/l	98
29) Tetrahydrofuran	5.95	42	223165	108.161	ug/l	96
30) Chloroform	6.09	83	620658	21.367	ug/l	97
31) Cyclohexane	6.36	56	566432	20.731	ug/l	96
32) 1,1,1-Trichloroethane	6.28	97	506231	21.199	ug/l	98
36) 1,1-Dichloropropene	6.51	75	470923	21.472	ug/l	98
37) Ethyl Acetate	5.69	43	209865	22.064	ug/l	98
38) Carbon Tetrachloride	6.49	117	427695	21.722	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	549732	21.988	ug/l	100
40) Benzene	6.78	78	1212483	21.632	ug/l	99
41) Methacrylonitrile	5.94	41	149952m	29.246	ug/l	
42) 1,2-Dichloroethane	6.88	62	307717	21.592	ug/l	100
43) Isopropyl Acetate	8.33	43	246104	20.961	ug/l #	99
44) Trichloroethene	7.73	130	361273	21.567	ug/l	96
45) 1,2-Dichloropropane	8.08	63	302052	21.789	ug/l	99
46) Dibromomethane	8.20	93	170016	21.227	ug/l	93
47) Bromodichloromethane	8.47	83	410351	21.592	ug/l	98
48) Methyl methacrylate	8.23	41	152846	22.001	ug/l	99
49) 1,4-Dioxane	8.21	88	27589	438.164	ug/l	87
51) 4-Methyl-2-Pentanone	9.32	43	784431	107.404	ug/l	97
52) Toluene	9.53	92	766257	21.872	ug/l	97
53) t-1,3-Dichloropropene	9.90	75	333857	21.379	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	449477	21.908	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	209086	21.431	ug/l	99
56) Ethyl methacrylate	10.01	69	188710	21.373	ug/l	98
57) 1,3-Dichloropropane	10.36	76	317659	21.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	609145	115.301	ug/l	100
59) 2-Hexanone	10.47	43	549374	107.614	ug/l	100
60) Dibromochloromethane	10.62	129	262508	21.521	ug/l	99
61) 1,2-Dibromoethane	10.74	107	212929	21.416	ug/l	98
64) Tetrachloroethene	10.24	164	342470	21.335	ug/l	99
65) Chlorobenzene	11.30	112	818659	21.346	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	267577	21.646	ug/l	98
67) Ethyl Benzene	11.42	91	1442748	22.055	ug/l	99
68) m/p-Xylenes	11.55	106	1035187	42.774	ug/l	98
69) o-Xylene	11.92	106	494240	21.429	ug/l	89
70) Styrene	11.94	104	811066	21.909	ug/l	96
71) Bromoform	12.11	173	167359	20.293	ug/l	99
73) Isopropylbenzene	12.26	105	1384266	21.243	ug/l	100
74) N-amyl acetate	12.13	43	327288	20.782	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	213678	20.483	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	210277	20.153	ug/l	96
77) Bromobenzene	12.53	156	355009	20.726	ug/l	94
78) n-propylbenzene	12.63	91	1715068	20.821	ug/l	100
79) 2-Chlorotoluene	12.70	91	940860	21.049	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	1093014	21.952	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	59917	20.590	ug/l	100
82) 4-Chlorotoluene	12.79	91	1084695	21.606	ug/l	91
83) tert-Butylbenzene	13.03	119	1202623	21.541	ug/l	91
84) 1,2,4-Trimethylbenzene	13.08	105	1106711	21.466	ug/l	99
85) sec-Butylbenzene	13.21	105	1475582	21.206	ug/l	99
86) p-Isopropyltoluene	13.33	119	1210185	21.940	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	652773	21.049	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	638581	20.990	ug/l	96
89) n-Butylbenzene	13.63	91	1275503	20.831	ug/l	96
90) Hexachloroethane	13.85	117	290948	21.038	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	551035	21.742	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.21	75	24667	19.515	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	413710	20.881	ug/l	96
94) Hexachlorobutadiene	14.87	225	301836	20.649	ug/l	98
95) Naphthalene	14.96	128	477499	20.259	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	314753	19.938	ug/l	97

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

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