

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121918\
 Data File : VD060633.D
 Acq On : 19 Dec 2018 11:49
 Operator : VA/AP
 Sample : VD1219SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1219SBS01

Manual Integrations
 APPROVED

apatel
 12/20/2018 11:59:54 AM

Quant Time: Dec 20 00:56:37 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	6.41	168	1492970	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2055928	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1674376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	871358	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	548440	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
35) Dibromofluoromethane	6.33	113	794448	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
50) Toluene-d8	9.46	98	2201693	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.42	95	814717	52.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	382348	23.416	ug/l	98
3) Chloromethane	1.78	50	357563	23.310	ug/l	97
4) Vinyl Chloride	1.87	62	286146	23.373	ug/l	99
5) Bromomethane	2.17	94	51711	16.884	ug/l	96
6) Chloroethane	2.27	64	75269	17.713	ug/l	99
7) Trichlorofluoromethane	2.53	101	321307	22.730	ug/l	100
8) Diethyl Ether	2.85	74	55005	22.528	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.11	101	216016	23.552	ug/l	94
10) Methyl Iodide	3.27	142	241739	22.548	ug/l	96
11) Tert butyl alcohol	3.98	59	34452	80.136	ug/l #	90
12) 1,1-Dichloroethene	3.09	96	182653	24.477	ug/l	87
13) Acrolein	3.00	56	42043	89.498	ug/l	92
14) Allyl chloride	3.55	41	347125	24.517	ug/l	99
15) Acrylonitrile	4.11	53	250024	102.422	ug/l	98
16) Acetone	3.18	43	174867	103.092	ug/l	94
17) Carbon Disulfide	3.34	76	530219	21.874	ug/l	99
18) Methyl Acetate	3.57	43	96577	23.957	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	431762	20.864	ug/l	100
20) Methylene Chloride	3.74	84	380205	21.898	ug/l	95
21) trans-1,2-Dichloroethene	4.11	96	343463	21.159	ug/l	97
22) Diisopropyl ether	4.86	45	1086627	21.376	ug/l	97
23) Vinyl Acetate	4.81	43	2603581	103.374	ug/l	99
24) 1,1-Dichloroethane	4.76	63	583712	22.103	ug/l	99
25) 2-Butanone	5.63	43	330895	99.154	ug/l	97
26) 2,2-Dichloropropane	5.59	77	461099	22.602	ug/l	96
27) cis-1,2-Dichloroethene	5.60	96	349710	21.189	ug/l	93
28) Bromochloromethane	5.94	49	242240	20.707	ug/l	99
29) Tetrahydrofuran	5.96	42	183777	97.249	ug/l	99
30) Chloroform	6.10	83	581581	21.860	ug/l	94
31) Cyclohexane	6.37	56	518837	20.733	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	475993	21.763	ug/l	97
36) 1,1-Dichloropropene	6.53	75	455324	22.657	ug/l	99
37) Ethyl Acetate	5.71	43	181030	20.771	ug/l	100
38) Carbon Tetrachloride	6.51	117	405651	22.484	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	496508	21.673	ug/l	99
40) Benzene	6.80	78	1160517	22.596	ug/l	100
41) Methacrylonitrile	5.93	41	86021m	18.309	ug/l	
42) 1,2-Dichloroethane	6.90	62	282353	21.622	ug/l	100
43) Isopropyl Acetate	8.35	43	210030	19.522	ug/l #	98
44) Trichloroethene	7.74	130	337332	21.977	ug/l	95
45) 1,2-Dichloropropane	8.10	63	281512	22.162	ug/l	99
46) Dibromomethane	8.22	93	155272	21.157	ug/l	98
47) Bromodichloromethane	8.49	83	381618	21.915	ug/l	99
48) Methyl methacrylate	8.25	41	129283	20.309	ug/l	97
49) 1,4-Dioxane	8.23	88	23991	415.823	ug/l	97
51) 4-Methyl-2-Pentanone	9.34	43	682539	101.988	ug/l	99
52) Toluene	9.55	92	693370	21.599	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	307419	21.485	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	404984	21.542	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	187873	21.016	ug/l	98
56) Ethyl methacrylate	10.03	69	170367	21.058	ug/l	96
57) 1,3-Dichloropropane	10.38	76	290208	21.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	545049	112.592	ug/l	94
59) 2-Hexanone	10.48	43	490214	104.796	ug/l	96
60) Dibromochloromethane	10.64	129	243504	21.786	ug/l	100
61) 1,2-Dibromoethane	10.76	107	185755	20.389	ug/l	99
64) Tetrachloroethene	10.26	164	315859	21.304	ug/l	95
65) Chlorobenzene	11.31	112	762713	21.532	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	259723	22.748	ug/l	97
67) Ethyl Benzene	11.43	91	1366808	22.622	ug/l	97
68) m/p-Xylenes	11.56	106	979478	43.819	ug/l	98
69) o-Xylene	11.93	106	453317	21.280	ug/l	88
70) Styrene	11.96	104	720213	21.063	ug/l	99
71) Bromoform	12.12	173	149319	19.603	ug/l	98
73) Isopropylbenzene	12.27	105	1298803	21.064	ug/l	98
74) N-amyl acetate	12.14	43	280701	18.836	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	198730	20.132	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	198699	20.125	ug/l	99
77) Bromobenzene	12.54	156	330213	20.374	ug/l	97
78) n-propylbenzene	12.64	91	1661947	21.322	ug/l	99
79) 2-Chlorotoluene	12.71	91	881377	20.839	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	993127	21.078	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	51129	18.568	ug/l	99
82) 4-Chlorotoluene	12.80	91	997200	20.992	ug/l	91
83) tert-Butylbenzene	13.04	119	1118206	21.167	ug/l	91
84) 1,2,4-Trimethylbenzene	13.09	105	1024877	21.008	ug/l	98
85) sec-Butylbenzene	13.22	105	1328748	20.180	ug/l	97
86) p-Isopropyltoluene	13.34	119	1107605	21.221	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	615081	20.960	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	608491	21.137	ug/l	97
89) n-Butylbenzene	13.64	91	1211703	20.920	ug/l	97
90) Hexachloroethane	13.86	117	269209	20.571	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	528307	22.029	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	21701	18.143	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	369482	19.708	ug/l	95
94) Hexachlorobutadiene	14.88	225	289093	20.900	ug/l	98
95) Naphthalene	14.97	128	425583	19.082	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	291713	19.528	ug/l	98

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

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