

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121018\
 Data File : VD060518.D
 Acq On : 10 Dec 2018 12:04
 Operator : VA/AP
 Sample : VD1210SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1210SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 4:15:11 PM

Quant Time: Dec 11 07:02:03 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	1625699	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2277794	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1765961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	895545	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	625504	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
35) Dibromofluoromethane	6.33	113	920651	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
50) Toluene-d8	9.46	98	2578281	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.42	95	902832	52.11	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.61	85	431473	24.544	ug/l	97
3) Chloromethane	1.78	50	380731	22.794	ug/l	99
4) Vinyl Chloride	1.87	62	303232	22.747	ug/l	96
5) Bromomethane	2.17	94	53649	16.087	ug/l #	79
6) Chloroethane	2.28	64	74050	16.124	ug/l	91
7) Trichlorofluoromethane	2.52	101	314588	20.438	ug/l	99
8) Diethyl Ether	2.85	74	55481	20.868	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.10	101	208166	20.843	ug/l	99
10) Methyl Iodide	3.26	142	228698	19.590	ug/l	96
11) Tert butyl alcohol	3.98	59	45153	96.452	ug/l #	94
12) 1,1-Dichloroethene	3.09	96	170629	20.998	ug/l	97
13) Acrolein	3.00	56	51164	100.022	ug/l	90
14) Allyl chloride	3.54	41	314868	20.423	ug/l	99
15) Acrylonitrile	4.10	53	295378	111.122	ug/l	93
16) Acetone	3.18	43	185629	100.502	ug/l	99
17) Carbon Disulfide	3.33	76	561021	21.255	ug/l	99
18) Methyl Acetate	3.57	43	96611	22.008	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	501559	22.258	ug/l	98
20) Methylene Chloride	3.73	84	393416	20.564	ug/l	99
21) trans-1,2-Dichloroethene	4.12	96	385758	21.824	ug/l	98
22) Diisopropyl ether	4.86	45	1217527	21.996	ug/l	97
23) Vinyl Acetate	4.81	43	2995321	109.218	ug/l	98
24) 1,1-Dichloroethane	4.77	63	612188	21.289	ug/l	99
25) 2-Butanone	5.63	43	385034	105.958	ug/l	100
26) 2,2-Dichloropropane	5.59	77	488081	21.971	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	391251	21.770	ug/l	98
28) Bromochloromethane	5.93	49	262052	20.571	ug/l	86
29) Tetrahydrofuran	5.97	42	216033	104.984	ug/l	99
30) Chloroform	6.11	83	611198	21.097	ug/l	97
31) Cyclohexane	6.37	56	582700	21.514	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	523175	21.967	ug/l	99
36) 1,1-Dichloropropene	6.53	75	470020	21.110	ug/l	99
37) Ethyl Acetate	5.71	43	224242	23.223	ug/l	97
38) Carbon Tetrachloride	6.51	117	435274	21.776	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	552016	21.749	ug/l	99
40) Benzene	6.80	78	1194850	20.998	ug/l	100
41) Methacrylonitrile	5.94	41	127194m	24.436	ug/l	
42) 1,2-Dichloroethane	6.90	62	304948	21.078	ug/l	99
43) Isopropyl Acetate	8.35	43	260315	21.839	ug/l #	96
44) Trichloroethene	7.75	130	362845	21.337	ug/l	99
45) 1,2-Dichloropropane	8.10	63	298180	21.188	ug/l	98
46) Dibromomethane	8.22	93	175961	21.640	ug/l	97
47) Bromodichloromethane	8.49	83	413420	21.428	ug/l	99
48) Methyl methacrylate	8.25	41	156134	22.138	ug/l	98
49) 1,4-Dioxane	8.24	88	28257	442.059	ug/l #	83
51) 4-Methyl-2-Pentanone	9.34	43	836247	112.785	ug/l	100
52) Toluene	9.55	92	747535	21.019	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	342326	21.594	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	453871	21.791	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	209650	21.168	ug/l	98
56) Ethyl methacrylate	10.03	69	199059	22.207	ug/l	97
57) 1,3-Dichloropropane	10.38	76	324012	21.162	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.92	63	585375	109.144	ug/l	94
59) 2-Hexanone	10.49	43	578982	111.717	ug/l	98
60) Dibromochloromethane	10.64	129	267521	21.604	ug/l	98
61) 1,2-Dibromoethane	10.76	107	212465	21.050	ug/l	96
64) Tetrachloroethene	10.26	164	332884	21.288	ug/l	99
65) Chlorobenzene	11.31	112	797464	21.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	271576	22.553	ug/l	99
67) Ethyl Benzene	11.43	91	1450172	22.757	ug/l	98
68) m/p-Xylenes	11.57	106	1058640	44.904	ug/l	98
69) o-Xylene	11.93	106	499470	22.231	ug/l	91
70) Styrene	11.96	104	810134	22.464	ug/l	99
71) Bromoform	12.12	173	173949	21.652	ug/l	100
73) Isopropylbenzene	12.27	105	1393819	21.994	ug/l	99
74) N-amyl acetate	12.14	43	341814	22.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	217202	21.409	ug/l	96
76) 1,2,3-Trichloropropane	12.60	75	220172	21.698	ug/l	97
77) Bromobenzene	12.54	156	347611	20.868	ug/l	99
78) n-propylbenzene	12.64	91	1796698	22.428	ug/l	99
79) 2-Chlorotoluene	12.71	91	960027	22.085	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	1092106	22.553	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	61068	21.578	ug/l	97
82) 4-Chlorotoluene	12.81	91	1085179	22.227	ug/l	88
83) tert-Butylbenzene	13.04	119	1204402	22.183	ug/l	91
84) 1,2,4-Trimethylbenzene	13.09	105	1091910	21.777	ug/l	99
85) sec-Butylbenzene	13.22	105	1492396	22.054	ug/l	100
86) p-Isopropyltoluene	13.35	119	1218663	22.718	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	663805	22.009	ug/l	95
88) 1,4-Dichlorobenzene	13.40	146	642533	21.716	ug/l	99
89) n-Butylbenzene	13.65	91	1258507	21.162	ug/l	100
90) Hexachloroethane	13.86	117	290164	21.574	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	557952	22.637	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	25717	20.920	ug/l	85

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	416164	21.599	ug/l	98
94) Hexachlorobutadiene	14.88	225	306875	21.587	ug/l	99
95) Naphthalene	14.97	128	519202	22.651	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	332413	21.652	ug/l	99

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

