

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121418\
 Data File : VD060569.D
 Acq On : 14 Dec 2018 13:16
 Operator : VA/AP
 Sample : VD1214SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1214SBS01

Manual Integrations
 APPROVED

apatel
 12/15/2018 3:25:06 PM

Quant Time: Dec 14 22:35:59 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	1658417	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2326898	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1883895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	929445	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	588917	50.10	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	6.31	113	852538	49.88	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	9.44	98	2448942	49.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.42	95	861063	48.65	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	425849	23.498	ug/l	97
3) Chloromethane	1.78	50	385825	22.643	ug/l	97
4) Vinyl Chloride	1.87	62	318393	23.413	ug/l	94
5) Bromomethane	2.16	94	49732	14.618	ug/l	94
6) Chloroethane	2.27	64	78527	16.709	ug/l	92
7) Trichlorofluoromethane	2.52	101	330644	21.057	ug/l	100
8) Diethyl Ether	2.83	74	56586	20.863	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.10	101	228781	22.455	ug/l	98
10) Methyl Iodide	3.25	142	249702	20.967	ug/l	100
11) Tert butyl alcohol	3.96	59	41981	87.907	ug/l #	91
12) 1,1-Dichloroethene	3.09	96	178831	21.574	ug/l	93
13) Acrolein	2.99	56	49290	94.457	ug/l	91
14) Allyl chloride	3.54	41	346768	22.049	ug/l	97
15) Acrylonitrile	4.09	53	286294	105.580	ug/l	97
16) Acetone	3.17	43	189174	100.400	ug/l	96
17) Carbon Disulfide	3.32	76	582840	21.646	ug/l	100
18) Methyl Acetate	3.56	43	93755	20.936	ug/l	99
19) Methyl tert-butyl Ether	4.12	73	488034	21.230	ug/l	97
20) Methylene Chloride	3.73	84	385983	19.590	ug/l	96
21) trans-1,2-Dichloroethene	4.10	96	381640	21.165	ug/l	98
22) Diisopropyl ether	4.85	45	1169765	20.716	ug/l	98
23) Vinyl Acetate	4.80	43	2962121	105.877	ug/l	99
24) 1,1-Dichloroethane	4.75	63	615331	20.976	ug/l	99
25) 2-Butanone	5.62	43	376270	101.503	ug/l	96
26) 2,2-Dichloropropane	5.58	77	492479	21.732	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	387601	21.142	ug/l	98
28) Bromochloromethane	5.92	49	246076	18.936	ug/l	97
29) Tetrahydrofuran	5.94	42	221138	105.345	ug/l	98
30) Chloroform	6.09	83	615731	20.834	ug/l	94
31) Cyclohexane	6.35	56	579864	20.885	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	512412	21.091	ug/l	99
36) 1,1-Dichloropropene	6.51	75	476828	20.964	ug/l	96
37) Ethyl Acetate	5.69	43	207891	21.075	ug/l	99
38) Carbon Tetrachloride	6.49	117	433203	21.215	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	528202	20.371	ug/l	98
40) Benzene	6.79	78	1223667	21.051	ug/l	100
41) Methacrylonitrile	5.92	41	129584m	24.370	ug/l	
42) 1,2-Dichloroethane	6.89	62	307606	20.813	ug/l	99
43) Isopropyl Acetate	8.33	43	241516	19.834	ug/l #	98
44) Trichloroethene	7.73	130	364279	20.969	ug/l	92
45) 1,2-Dichloropropane	8.09	63	290936	20.237	ug/l	95
46) Dibromomethane	8.20	93	173267	20.859	ug/l	97
47) Bromodichloromethane	8.48	83	401368	20.365	ug/l	99
48) Methyl methacrylate	8.23	41	150701	20.917	ug/l	99
49) 1,4-Dioxane	8.21	88	26564	406.803	ug/l	91
51) 4-Methyl-2-Pentanone	9.33	43	783581	103.452	ug/l	99
52) Toluene	9.53	92	753861	20.749	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	340335	21.015	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	441134	20.732	ug/l	97
55) 1,1,2-Trichloroethane	10.16	97	208611	20.618	ug/l	97
56) Ethyl methacrylate	10.02	69	192604	21.034	ug/l	99
57) 1,3-Dichloropropane	10.37	76	326030	20.845	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	619173	113.009	ug/l	99
59) 2-Hexanone	10.48	43	545915	103.114	ug/l	99
60) Dibromochloromethane	10.63	129	261354	20.660	ug/l	98
61) 1,2-Dibromoethane	10.74	107	215071	20.858	ug/l	100
64) Tetrachloroethene	10.24	164	335662	20.122	ug/l	98
65) Chlorobenzene	11.30	112	817444	20.510	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	272887	21.243	ug/l	99
67) Ethyl Benzene	11.41	91	1433267	21.083	ug/l	97
68) m/p-Xylenes	11.55	106	1047178	41.638	ug/l	95
69) o-Xylene	11.92	106	492029	20.529	ug/l	97
70) Styrene	11.94	104	799274	20.776	ug/l	100
71) Bromoform	12.10	173	168502	19.661	ug/l	99
73) Isopropylbenzene	12.27	105	1391024	21.150	ug/l	98
74) N-amyl acetate	12.12	43	314730	19.800	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.55	83	215825	20.497	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	220130	20.903	ug/l	98
77) Bromobenzene	12.52	156	365111	21.119	ug/l	92
78) n-propylbenzene	12.62	91	1752481	21.079	ug/l	97
79) 2-Chlorotoluene	12.69	91	943438	20.912	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	1081846	21.526	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	58864	20.041	ug/l	92
82) 4-Chlorotoluene	12.80	91	1073599	21.188	ug/l	98
83) tert-Butylbenzene	13.04	119	1209389	21.462	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1091037	20.966	ug/l	99
85) sec-Butylbenzene	13.21	105	1449053	20.632	ug/l	95
86) p-Isopropyltoluene	13.33	119	1210595	21.744	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	661824	21.143	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	642165	20.912	ug/l	97
89) n-Butylbenzene	13.64	91	1241273	20.020	ug/l	97
90) Hexachloroethane	13.84	117	288557	20.672	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	550876	21.535	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	24215	18.980	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	404005	20.203	ug/l	97
94) Hexachlorobutadiene	14.87	225	304470	20.636	ug/l	99
95) Naphthalene	14.96	128	477252	20.061	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	326869	20.514	ug/l	98

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

