

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
 Data File : VD060500.D
 Acq On : 6 Dec 2018 12:18
 Operator : VA/AP
 Sample : VD1206SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 5:03:28 PM

Quant Time: Dec 07 03:49:45 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	1665728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2279166	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1826318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	915063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	571196	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	6.32	113	834066	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	9.45	98	2461362	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.43	95	854850	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	473654	26.840	ug/l	95
3) Chloromethane	1.78	50	408689	23.880	ug/l	99
4) Vinyl Chloride	1.87	62	334979	24.524	ug/l	98
5) Bromomethane	2.17	94	64259	18.805	ug/l	98
6) Chloroethane	2.28	64	84933	17.902	ug/l	99
7) Trichlorofluoromethane	2.53	101	331794	21.038	ug/l	98
8) Diethyl Ether	2.84	74	58891	21.618	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.11	101	227636	22.245	ug/l	96
10) Methyl Iodide	3.26	142	249205	20.834	ug/l	97
11) Tert butyl alcohol	3.98	59	43267	90.202	ug/l #	92
12) 1,1-Dichloroethene	3.09	96	186408	22.389	ug/l	99
13) Acrolein	3.00	56	52976	101.075	ug/l	98
14) Allyl chloride	3.55	41	343157	21.723	ug/l	99
15) Acrylonitrile	4.10	53	278206	102.147	ug/l	93
16) Acetone	3.18	43	185249	97.886	ug/l	99
17) Carbon Disulfide	3.33	76	607278	22.455	ug/l	98
18) Methyl Acetate	3.57	43	88670	19.714	ug/l	98
19) Methyl tert-butyl Ether	4.13	73	477839	20.696	ug/l	99
20) Methylene Chloride	3.74	84	416859	21.434	ug/l	95
21) trans-1,2-Dichloroethene	4.11	96	389354	21.498	ug/l	97
22) Diisopropyl ether	4.86	45	1185980	20.911	ug/l	95
23) Vinyl Acetate	4.81	43	2886439	102.719	ug/l	99
24) 1,1-Dichloroethane	4.76	63	621902	21.107	ug/l	99
25) 2-Butanone	5.63	43	366868	98.532	ug/l	96
26) 2,2-Dichloropropane	5.59	77	513071	22.541	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	400624	21.756	ug/l	95
28) Bromochloromethane	5.93	49	251433	19.263	ug/l	97
29) Tetrahydrofuran	5.96	42	212755	100.906	ug/l	98
30) Chloroform	6.11	83	621310	20.931	ug/l	99
31) Cyclohexane	6.36	56	609640	22.055	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	532816	21.834	ug/l	99
36) 1,1-Dichloropropene	6.52	75	487175	21.868	ug/l	98
37) Ethyl Acetate	5.70	43	207724	21.499	ug/l	99
38) Carbon Tetrachloride	6.50	117	446365	22.318	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	566650	22.312	ug/l	96
40) Benzene	6.80	78	1246351	21.890	ug/l	99
41) Methacrylonitrile	5.93	41	93788m	18.007	ug/l	
42) 1,2-Dichloroethane	6.90	62	305401	21.096	ug/l	99
43) Isopropyl Acetate	8.34	43	248118	20.803	ug/l #	98
44) Trichloroethene	7.74	130	376230	22.111	ug/l	98
45) 1,2-Dichloropropane	8.10	63	305184	21.672	ug/l	97
46) Dibromomethane	8.21	93	171796	21.115	ug/l	95
47) Bromodichloromethane	8.49	83	420392	21.777	ug/l	99
48) Methyl methacrylate	8.24	41	154600	21.907	ug/l	99
49) 1,4-Dioxane	8.23	88	26496	414.260	ug/l #	82
51) 4-Methyl-2-Pentanone	9.34	43	792938	106.879	ug/l	97
52) Toluene	9.54	92	782684	21.994	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	338152	21.318	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	450409	21.612	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	211790	21.371	ug/l	97
56) Ethyl methacrylate	10.02	69	189455	21.123	ug/l	96
57) 1,3-Dichloropropane	10.38	76	320909	20.947	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	556403	103.680	ug/l	97
59) 2-Hexanone	10.49	43	532662	102.718	ug/l	96
60) Dibromochloromethane	10.63	129	263685	21.281	ug/l	100
61) 1,2-Dibromoethane	10.75	107	211322	20.924	ug/l	99
64) Tetrachloroethene	10.25	164	351830	21.756	ug/l	100
65) Chlorobenzene	11.31	112	826233	21.385	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	278534	22.366	ug/l	98
67) Ethyl Benzene	11.42	91	1500036	22.761	ug/l	98
68) m/p-Xylenes	11.56	106	1084010	44.461	ug/l	97
69) o-Xylene	11.93	106	518330	22.308	ug/l	97
70) Styrene	11.95	104	829971	22.254	ug/l	100
71) Bromoform	12.11	173	168174	20.241	ug/l	98
73) Isopropylbenzene	12.27	105	1439406	22.229	ug/l	97
74) N-amyl acetate	12.13	43	324977	20.766	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	215630	20.801	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	213902	20.631	ug/l	99
77) Bromobenzene	12.53	156	358060	21.037	ug/l	91
78) n-propylbenzene	12.63	91	1786819	21.829	ug/l	98
79) 2-Chlorotoluene	12.70	91	991081	22.313	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1102375	22.280	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	59263	20.494	ug/l	95
82) 4-Chlorotoluene	12.81	91	1091343	21.876	ug/l	97
83) tert-Butylbenzene	13.05	119	1268602	22.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1156159	22.567	ug/l	97
85) sec-Butylbenzene	13.22	105	1533532	22.178	ug/l	95
86) p-Isopropyltoluene	13.34	119	1258000	22.951	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	670542	21.758	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	659515	21.815	ug/l	99
89) n-Butylbenzene	13.65	91	1232854	20.212	ug/l	97
90) Hexachloroethane	13.85	117	296971	21.609	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	525917	20.882	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	24528	19.527	ug/l	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	422065	21.438	ug/l	97
94) Hexachlorobutadiene	14.88	225	322732	22.218	ug/l	99
95) Naphthalene	14.96	128	473007	20.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	329355	20.995	ug/l	99

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

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