

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059963.D
 Acq On : 5 Sep 2018 12:20
 Operator : JC/SY
 Sample : VD0905SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Manual Integrations
 APPROVED

apatel
 9/6/2018 2:16:48 PM

Quant Time: Sep 05 15:08:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1167729	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1601800	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1358007	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	754938	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	497433	50.54	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	6.30	113	638600	50.85	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	9.44	98	1751435	50.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.42	95	692471	48.92	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	177186	16.97	ug/l	99
3) Chloromethane	1.73	50	159100	16.83	ug/l	97
4) Vinyl Chloride	1.83	62	131390	17.72	ug/l	97
5) Bromomethane	2.12	94	11371	8.88	ug/l	97
6) Chloroethane	2.22	64	33299	12.36	ug/l	95
7) Trichlorofluoromethane	2.47	101	167572	19.54	ug/l	99
8) Diethyl Ether	2.80	74	37110	19.28	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.05	101	112921	21.50	ug/l	96
10) Methyl Iodide	3.21	142	91647	18.71	ug/l	98
11) Tert butyl alcohol	3.96	59	80054	106.60	ug/l	98
12) 1,1-Dichloroethene	3.04	96	82861	20.26	ug/l	90
13) Acrolein	2.95	56	20408	62.66	ug/l	93
14) Allyl chloride	3.49	41	187290	20.24	ug/l	97
15) Acrylonitrile	4.06	53	296895	105.57	ug/l	99
16) Acetone	3.13	43	181131	101.01	ug/l	97
17) Carbon Disulfide	3.28	76	191009	15.05	ug/l	99
18) Methyl Acetate	3.52	43	72503	19.37	ug/l	94
19) Methyl tert-butyl Ether	4.09	73	460871	19.92	ug/l	99
20) Methylene Chloride	3.68	84	362892	28.74	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	215106	19.09	ug/l	97
22) Diisopropyl ether	4.82	45	988735	20.96	ug/l	99
23) Vinyl Acetate	4.77	43	2908791	110.28	ug/l	99
24) 1,1-Dichloroethane	4.72	63	425202	20.86	ug/l	99
25) 2-Butanone	5.59	43	491762	92.60	ug/l	99
26) 2,2-Dichloropropane	5.55	77	344020	20.19	ug/l	98
27) cis-1,2-Dichloroethene	5.56	96	257725	20.89	ug/l	95
28) Bromochloromethane	5.90	49	210500	21.55	ug/l	97
29) Tetrahydrofuran	5.93	42	270030	106.80	ug/l	100
30) Chloroform	6.07	83	440410	21.26	ug/l	100
31) Cyclohexane	6.34	56	328980	17.56	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	338574	19.26	ug/l	99
36) 1,1-Dichloropropene	6.50	75	303447	20.90	ug/l	95
37) Ethyl Acetate	5.67	43	240898	21.32	ug/l	97
38) Carbon Tetrachloride	6.47	117	291696	19.91	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	309179	19.71	ug/l	95
40) Benzene	6.76	78	813428	21.54	ug/l	100
41) Methacrylonitrile	5.90	41	120404m	21.15	ug/l	
42) 1,2-Dichloroethane	6.87	62	252354	20.82	ug/l	99
43) Isopropyl Acetate	8.33	43	309915	21.08	ug/l #	99
44) Trichloroethene	7.72	130	236462	21.27	ug/l	93
45) 1,2-Dichloropropane	8.08	63	226063	21.42	ug/l	98
46) Dibromomethane	8.19	93	141235	20.81	ug/l	99
47) Bromodichloromethane	8.46	83	322157	20.97	ug/l	100
48) Methyl methacrylate	8.23	41	176173	20.56	ug/l	96
49) 1,4-Dioxane	8.21	88	32607	426.22	ug/l	94
51) 4-Methyl-2-Pentanone	9.32	43	1014096	92.54	ug/l	96
52) Toluene	9.53	92	463845	19.16	ug/l	96
53) t-1,3-Dichloropropene	9.90	75	292665	20.60	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	343660	20.86	ug/l	97
55) 1,1,2-Trichloroethane	10.17	97	189552	21.42	ug/l	98
56) Ethyl methacrylate	10.01	69	214702	21.02	ug/l	100
57) 1,3-Dichloropropane	10.36	76	288744	22.54	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	568968	116.13	ug/l	96
59) 2-Hexanone	10.47	43	783360	96.91	ug/l	96
60) Dibromochloromethane	10.62	129	233594	21.00	ug/l	97
61) 1,2-Dibromoethane	10.75	107	190394	21.28	ug/l	96
64) Tetrachloroethene	10.24	164	216397	20.61	ug/l	97
65) Chlorobenzene	11.30	112	595443	22.06	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.41	131	211535	21.46	ug/l	99
67) Ethyl Benzene	11.42	91	981006	21.61	ug/l	99
68) m/p-Xylenes	11.55	106	739166	44.72	ug/l	96
69) o-Xylene	11.93	106	350786	21.70	ug/l	98
70) Styrene	11.95	104	617729	22.07	ug/l	99
71) Bromoform	12.11	173	164975	19.34	ug/l	98
73) Isopropylbenzene	12.26	105	1019600	21.16	ug/l	100
74) N-amyl acetate	12.13	43	408701	19.37	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	227292	20.39	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	242340	20.65	ug/l	100
77) Bromobenzene	12.53	156	279178	20.89	ug/l	96
78) n-propylbenzene	12.63	91	1307127	21.42	ug/l	98
79) 2-Chlorotoluene	12.70	91	710148	20.58	ug/l	100
80) 1,3,5-Trimethylbenzene	12.78	105	808243	21.10	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	63723	17.46	ug/l	98
82) 4-Chlorotoluene	12.80	91	835576	21.23	ug/l	98
83) tert-Butylbenzene	13.04	119	888350	20.35	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	803790	20.13	ug/l	99
85) sec-Butylbenzene	13.22	105	1076497	20.97	ug/l	96
86) p-Isopropyltoluene	13.34	119	869123	20.82	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	515556	21.61	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	517689	21.75	ug/l	99
89) n-Butylbenzene	13.64	91	909827	20.15	ug/l	98
90) Hexachloroethane	13.85	117	199297	17.78	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	442530	21.82	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	32789	19.13	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	359508	20.70	ug/l	100
94) Hexachlorobutadiene	14.87	225	233988	20.55	ug/l	99
95) Naphthalene	14.96	128	543662	20.49	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	300582	20.24	ug/l	99

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

