

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD062018\
 Data File : VD058228.D
 Acq On : 21 Jun 2018 1:44
 Operator : VA/AP
 Sample : VD0620SBS03
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Jun 21 05:16:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 OLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	Ion	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	863288	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	1096644	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	930875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	479140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	455120	52.19	ug/l	0.01
Spiked Amount 50.000			Recovery	=	104.38%	
35) Dibromofluoromethane	5.55	113	474587	53.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.34%	
50) Toluene-d8	8.71	98	1107995	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.94	95	445806	50.54	ug/l	0.01
Spiked Amount 50.000			Recovery	=	101.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	206932	23.421	ug/l	98
3) Chloromethane	1.49	50	104926	25.737	ug/l	91
4) Vinyl Chloride	1.55	62	102263	22.613	ug/l	99
5) Bromomethane	1.78	94	32586	19.038	ug/l	94
6) Chloroethane	1.87	64	34596	19.611	ug/l	96
7) Trichlorofluoromethane	2.08	101	136002	21.933	ug/l	93
8) Diethyl Ether	2.34	74	31917	24.335	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.55	101	88791	22.525	ug/l	94
10) Methyl Iodide	2.69	142	92094	20.539	ug/l	96
11) Tert butyl alcohol	3.27	59	31897	110.909	ug/l #	92
12) 1,1-Dichloroethene	2.54	96	61219	20.641	ug/l	98
13) Acrolein	2.47	56	18267	111.264	ug/l	97
14) Allyl chloride	2.91	41	155269	22.493	ug/l	91
15) Acrylonitrile	3.36	53	87357	114.556	ug/l	94
16) Acetone	2.61	43	125383	105.142	ug/l #	86
17) Carbon Disulfide	2.75	76	214296	21.237	ug/l	100
18) Methyl Acetate	2.93	43	53845	21.172	ug/l	100
19) Methyl tert-butyl Ether	3.41	73	192358	24.453	ug/l	92
20) Methylene Chloride	3.07	84	83524	24.388	ug/l	86
21) trans-1,2-Dichloroethene	3.39	96	68910	21.259	ug/l	82
22) Diisopropyl ether	4.07	45	604283	22.041	ug/l	97
23) Vinyl Acetate	4.02	43	1689758	114.974	ug/l	100
24) 1,1-Dichloroethane	3.98	63	340758	23.070	ug/l	97
25) 2-Butanone	4.84	43	277832	106.895	ug/l	97
26) 2,2-Dichloropropane	4.79	77	240046	19.409	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	192365	23.749	ug/l	95
28) Bromochloromethane	5.15	49	150788	22.773	ug/l	94
29) Tetrahydrofuran	5.19	42	154650	111.786	ug/l	100
30) Chloroform	5.32	83	348995	22.381	ug/l	96
31) Cyclohexane	5.59	56	275679	22.871	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	275037	21.348	ug/l	97
36) 1,1-Dichloropropene	5.75	75	241132	22.227	ug/l	99
37) Ethyl Acetate	4.93	43	145296	23.506	ug/l	98
38) Carbon Tetrachloride	5.72	117	236817	21.969	ug/l	96
39) Methylcyclohexane	7.28	83	236558	22.387	ug/l	99
40) Benzene	6.01	78	577681	22.354	ug/l	100

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Internal Standards	R.T.	OIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.13	41	71489	23.951	µg/l	95
42) 1,2-Dichloroethane	6.13	62	239450	22.979	µg/l	99
43) Isopropyl Acetate	7.62	43	183362	22.251	µg/l #	99
44) Trichloroethene	6.99	130	174961	22.546	µg/l	95
45) 1,2-Dichloropropane	7.35	63	165038	23.713	µg/l	97
46) Dibromomethane	7.46	93	113551	23.900	µg/l	87
47) Bromodichloromethane	7.75	83	253742	23.420	µg/l	94
48) Methyl methacrylate	7.51	41	110341	22.031	µg/l	96
49) 1,4-Dioxane	7.50	88	21582	477.366	µg/l #	87
51) 4-Methyl-2-Pentanone	8.60	43	626507	116.555	µg/l	99
52) Toluene	8.81	92	344990	23.445	µg/l	97
53) t-1,3-Dichloropropene	9.19	75	209817	22.274	µg/l	99
54) cis-1,3-Dichloropropene	8.37	75	251339	22.760	µg/l	94
55) 1,1,2-Trichloroethane	9.46	97	119861	23.023	µg/l	96
56) Ethyl methacrylate	9.32	69	143298	23.015	µg/l	98
57) 1,3-Dichloropropane	9.68	76	204602	23.330	µg/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	361328	117.224	µg/l	97
59) 2-Hexanone	9.79	43	441168	113.585	µg/l	92
60) Dibromochloromethane	9.96	129	159140	22.524	µg/l	99
61) 1,2-Dibromoethane	10.10	107	127033	22.294	µg/l	90
64) Tetrachloroethene	9.52	164	190834	24.364	µg/l	94
65) Chlorobenzene	10.73	112	391782	22.500	µg/l	98
66) 1,1,1,2-Tetrachloroethane	10.86	131	140952	20.976	µg/l	99
67) Ethyl Benzene	10.87	91	669488	21.779	µg/l	99
68) m/p-Xylenes	11.01	106	444180	43.329	µg/l	98
69) o-Xylene	11.41	106	200407	20.468	µg/l	94
70) Styrene	11.44	104	366612	21.943	µg/l	99
71) Bromoform	11.61	173	113819	21.233	µg/l #	94
73) Isopropylbenzene	11.77	105	597417	20.845	µg/l	98
74) N-amyl acetate	11.65	43	239981	21.656	µg/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	143597	21.531	µg/l	97
76) 1,2,3-Trichloropropane	12.12	75	152587	21.812	µg/l	99
77) Bromobenzene	12.05	156	198898	23.176	µg/l	97
78) n-propylbenzene	12.16	91	826894	22.342	µg/l	97
79) 2-Chlorotoluene	12.22	91	458773	21.662	µg/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	511776	22.894	µg/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	32497	19.047	µg/l #	80
82) 4-Chlorotoluene	12.33	91	543689	23.454	µg/l	100
83) tert-Butylbenzene	12.58	119	561888	21.863	µg/l	96
84) 1,2,4-Trimethylbenzene	12.63	105	527715	21.718	µg/l	98
85) sec-Butylbenzene	12.76	105	666398	22.122	µg/l	100
86) p-Isopropyltoluene	12.89	119	535861	21.951	µg/l	97
87) 1,3-Dichlorobenzene	12.85	146	334548	22.428	µg/l	97
88) 1,4-Dichlorobenzene	12.93	146	315450	21.656	µg/l	97
89) n-Butylbenzene	13.20	91	575568	22.434	µg/l	98
90) Hexachloroethane	13.41	117	136257	21.505	µg/l	93
91) 1,2-Dichlorobenzene	13.20	146	291315	22.949	µg/l	100
92) 1,2-Dibromo-3-Chloropropan	13.78	75	22613	21.304	µg/l	90
93) 1,2,4-Trichlorobenzene	14.34	180	261864	21.569	µg/l	98
94) Hexachlorobutadiene	14.44	225	189689	19.976	µg/l	97
95) Naphthalene	14.52	128	347243	21.713	µg/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	218123	20.523	µg/l	98

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

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