

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\
 Data File : VD059516.D
 Acq On : 2 Jul 2018 22:21
 Operator : VA/AP
 Sample : VD0702SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0702SBS01

Quant Time: Jul 03 09:07:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 09:04:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	644056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	870858	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	705171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	383334	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.99	65	447680	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	5.52	113	419661	57.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.58%	
50) Toluene-d8	8.69	98	958296	56.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.74%	
62) 4-Bromofluorobenzene	11.92	95	389201	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	148266	18.07	ug/l	98
3) Chloromethane	1.47	50	76056	19.57	ug/l	97
4) Vinyl Chloride	1.53	62	73022	18.83	ug/l	99
5) Bromomethane	1.77	94	24728	16.85	ug/l	92
6) Chloroethane	1.86	64	23195	13.29	ug/l	98
7) Trichlorofluoromethane	2.05	101	100094	15.61	ug/l	95
8) Diethyl Ether	2.32	74	23458	19.10	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.53	101	72025	18.46	ug/l	98
10) Methyl Iodide	2.66	142	63895	16.43	ug/l	96
11) Tert butyl alcohol	3.24	59	25826	92.73	ug/l	98
12) 1,1-Dichloroethene	2.52	96	51410	17.25	ug/l	93
13) Acrolein	2.45	56	21201	133.61	ug/l #	81
14) Allyl chloride	2.89	41	121834	18.51	ug/l	93
15) Acrylonitrile	3.32	53	80505	104.57	ug/l	90
16) Acetone	2.60	43	104611	92.55	ug/l	96
17) Carbon Disulfide	2.72	76	155005	17.18	ug/l	99
18) Methyl Acetate	2.91	43	49520	20.36	ug/l #	87
19) Methyl tert-butyl Ether	3.37	73	146192	18.97	ug/l	100
20) Methylene Chloride	3.04	84	68047	15.54	ug/l	92
21) trans-1,2-Dichloroethene	3.35	96	61862	18.79	ug/l	98
22) Diisopropyl ether	4.04	45	440889	18.37	ug/l	98
23) Vinyl Acetate	3.98	43	1257211	94.94	ug/l	98
24) 1,1-Dichloroethane	3.93	63	258005	18.99	ug/l	99
25) 2-Butanone	4.81	43	221500	94.22	ug/l	96
26) 2,2-Dichloropropane	4.76	77	200959	18.09	ug/l	98
27) cis-1,2-Dichloroethene	4.77	96	136497	19.15	ug/l	97
28) Bromochloromethane	5.12	49	109020	20.92	ug/l	97
29) Tetrahydrofuran	5.16	42	114973	96.03	ug/l	98
30) Chloroform	5.29	83	267115	18.64	ug/l	96
31) Cyclohexane	5.56	56	183479	17.63	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	218295	19.22	ug/l	96
36) 1,1-Dichloropropene	5.72	75	176934	18.92	ug/l	96
37) Ethyl Acetate	4.89	43	106813	20.53	ug/l #	94
38) Carbon Tetrachloride	5.70	117	172168	18.73	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	168353	19.77	µg/l	98
40) Benzene	5.98	78	418742	19.46	µg/l	100
41) Methacrylonitrile	5.10	41	54715	20.74	µg/l	90
42) 1,2-Dichloroethane	6.10	62	197336	20.49	µg/l	92
43) Isopropyl Acetate	7.60	43	145548	21.15	µg/l #	95
44) Trichloroethene	6.96	130	130358	19.95	µg/l	97
45) 1,2-Dichloropropane	7.32	63	120690	20.06	µg/l	90
46) Dibromomethane	7.44	93	81703	20.07	µg/l	89
47) Bromodichloromethane	7.72	83	188469	19.89	µg/l	95
48) Methyl methacrylate	7.48	41	84872	19.77	µg/l	86
49) 1,4-Dioxane	7.47	88	15523	388.08	µg/l	95
51) 4-Methyl-2-Pentanone	8.58	43	474761	105.62	µg/l	99
52) Toluene	8.78	92	238398	20.07	µg/l	97
53) t-1,3-Dichloropropene	9.17	75	163036	19.75	µg/l	98
54) cis-1,3-Dichloropropene	8.34	75	200196	20.91	µg/l	99
55) 1,1,2-Trichloroethane	9.44	97	91495	21.00	µg/l	97
56) Ethyl methacrylate	9.30	69	110139	20.18	µg/l	96
57) 1,3-Dichloropropane	9.64	76	151553	19.31	µg/l	97
58) 2-Chloroethyl Vinyl ether	8.17	63	281449	106.60	µg/l	92
59) 2-Hexanone	9.77	43	348904	105.53	µg/l	100
60) Dibromochloromethane	9.94	129	124377	20.45	µg/l	98
61) 1,2-Dibromoethane	10.08	107	93843	19.46	µg/l	92
64) Tetrachloroethene	9.50	164	123721	20.40	µg/l	92
65) Chlorobenzene	10.71	112	274383	20.20	µg/l	98
66) 1,1,1,2-Tetrachloroethane	10.84	131	110519	19.98	µg/l	95
67) Ethyl Benzene	10.85	91	477849	19.84	µg/l	99
68) m/p-Xylenes	11.00	106	334084	42.04	µg/l	92
69) o-Xylene	11.40	106	163227	21.32	µg/l	95
70) Styrene	11.43	104	283429	22.08	µg/l	93
71) Bromoform	11.59	173	82884	19.85	µg/l	95
73) Isopropylbenzene	11.77	105	470360	20.53	µg/l	99
74) N-amyl acetate	11.64	43	191182	19.77	µg/l #	95
75) 1,1,1,2-Tetrachloroethane	12.07	83	115991	19.54	µg/l	98
76) 1,2,3-Trichloropropane	12.11	75	119639	19.34	µg/l	100
77) Bromobenzene	12.04	156	137133	19.07	µg/l	90
78) n-propylbenzene	12.14	91	594197	19.36	µg/l	97
79) 2-Chlorotoluene	12.20	91	359467	19.92	µg/l	94
80) 1,3,5-Trimethylbenzene	12.31	105	378291	20.32	µg/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	24457	16.26	µg/l #	88
82) 4-Chlorotoluene	12.32	91	414448	20.26	µg/l	90
83) tert-Butylbenzene	12.57	119	434225	20.50	µg/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	397973	19.90	µg/l	99
85) sec-Butylbenzene	12.75	105	502336	20.67	µg/l	97
86) p-Isopropyltoluene	12.88	119	407387	19.98	µg/l	96
87) 1,3-Dichlorobenzene	12.83	146	249838	20.30	µg/l	97
88) 1,4-Dichlorobenzene	12.92	146	244650	20.25	µg/l	98
89) n-Butylbenzene	13.19	91	443548	21.33	µg/l	96
90) Hexachloroethane	13.39	117	101906	19.29	µg/l	90
91) 1,2-Dichlorobenzene	13.19	146	211875	20.46	µg/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	19772	19.33	µg/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	184428	20.09	ug/l	92
94) Hexachlorobutadiene	14.43	225	143417	20.43	ug/l	94
95) Naphthalene	14.51	128	271815	19.91	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	163669	20.28	ug/l	97

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

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