

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041719\
 Data File : VD061845.D
 Acq On : 17 Apr 2019 11:16
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 17 11:40:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	631986	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	963236	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	832334	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.51	152	378236	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	266750	50.36	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	6.93	113	404279	55.55	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	111.10%	
50) Toluene-d8	10.41	98	971787	56.36	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	112.72%	
62) 4-Bromofluorobenzene	13.56	95	327595	46.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	317275	51.436	ug/l	96
3) Chloromethane	1.77	50	226947	46.166	ug/l	94
4) Vinyl Chloride	1.86	62	253648	51.990	ug/l	100
5) Bromomethane	2.17	94	65551	60.835	ug/l	98
6) Chloroethane	2.28	64	91797	55.154	ug/l	96
7) Trichlorofluoromethane	2.54	101	401618	50.756	ug/l	99
8) Diethyl Ether	2.89	74	89475	43.148	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.16	101	364611	51.679	ug/l	96
10) Methyl Iodide	3.32	142	499181	44.718	ug/l	98
11) Tert butyl alcohol	4.06	59	72095	230.811	ug/l	98
12) 1,1-Dichloroethene	3.14	96	300819	50.717	ug/l	98
13) Acrolein	3.05	56	60143	198.894	ug/l	100
14) Allyl chloride	3.64	41	409086	50.600	ug/l	97
15) Acrylonitrile	4.21	53	214460	218.702	ug/l	93
16) Acetone	3.23	43	367774	281.728	ug/l	100
17) Carbon Disulfide	3.39	76	930288	48.542	ug/l	99
18) Methyl Acetate	3.65	43	112750	43.092	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	511521	46.212	ug/l	97
20) Methylene Chloride	3.82	84	345782	53.621	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	315183	48.352	ug/l	99
22) Diisopropyl ether	5.12	45	836931	48.428	ug/l	91
23) Vinyl Acetate	5.06	43	2272207	245.956	ug/l	98
24) 1,1-Dichloroethane	4.99	63	487058	46.484	ug/l	99
25) 2-Butanone	6.08	43	365055	245.632	ug/l	95
26) 2,2-Dichloropropane	6.03	77	477912	52.769	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	351645	49.764	ug/l	96
28) Bromochloromethane	6.45	49	173543	43.605	ug/l	99
29) Tetrahydrofuran	6.46	42	169366	233.949	ug/l	99
30) Chloroform	6.67	83	553793	47.386	ug/l	97
31) Cyclohexane	6.96	56	431560	53.803	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	538560	51.985	ug/l	98
36) 1,1-Dichloropropene	7.15	75	437148	55.538	ug/l	99
37) Ethyl Acetate	6.19	43	163368	48.494	ug/l	98
38) Carbon Tetrachloride	7.12	117	581939	58.551	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	448903	54.920	ug/l	98
40) Benzene	7.46	78	976690	51.685	ug/l	98
41) Methacrylonitrile	6.45	41	198168	49.769	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	365266	55.500	ug/l	99
43) Isopropyl Acetate	9.24	43	229726	48.458	ug/l #	99
44) Trichloroethene	8.54	130	393969	54.157	ug/l	94
45) 1,2-Dichloropropane	8.94	63	250033	50.797	ug/l	96
46) Dibromomethane	9.07	93	180787	51.546	ug/l	93
47) Bromodichloromethane	9.38	83	419195	51.808	ug/l	98
48) Methyl methacrylate	9.12	41	130812	46.942	ug/l	94
49) 1,4-Dioxane	9.08	88	31476	1033.408	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	725508	250.251	ug/l	100
52) Toluene	10.51	92	629818	52.009	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	391062	53.637	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	426736	49.863	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	206020	50.488	ug/l	97
56) Ethyl methacrylate	11.04	69	215772	48.179	ug/l	98
57) 1,3-Dichloropropane	11.40	76	315383	51.410	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	402685	189.037	ug/l	99
59) 2-Hexanone	11.53	43	527461	244.961	ug/l	99
60) Dibromochloromethane	11.69	129	349883	52.403	ug/l	99
61) 1,2-Dibromoethane	11.81	107	250159	49.858	ug/l	95
64) Tetrachloroethene	11.26	164	275910	44.201	ug/l	98
65) Chlorobenzene	12.40	112	745041	48.064	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	315231	48.528	ug/l	95
67) Ethyl Benzene	12.53	91	1206060	48.585	ug/l	99
68) m/p-Xylenes	12.67	106	905110	97.068	ug/l	97
69) o-Xylene	13.05	106	404251	46.125	ug/l	98
70) Styrene	13.08	104	642573	42.605	ug/l	99
71) Bromoform	13.23	173	187113	48.527	ug/l	99
73) Isopropylbenzene	13.40	105	1176137	47.947	ug/l	100
74) N-amyl acetate	13.26	43	280790	42.568	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	234553	48.374	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	231230	46.551	ug/l	99
77) Bromobenzene	13.67	156	363050	52.102	ug/l	88
78) n-propylbenzene	13.78	91	1398226	49.336	ug/l	98
79) 2-Chlorotoluene	13.84	91	844204	50.991	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	1064183	54.676	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	76028	47.407	ug/l	91
82) 4-Chlorotoluene	13.94	91	959530	50.634	ug/l	89
83) tert-Butylbenzene	14.19	119	1178855	51.583	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	959987	49.067	ug/l	100
85) sec-Butylbenzene	14.37	105	1242281	52.582	ug/l	100
86) p-Isopropyltoluene	14.49	119	1120431	50.687	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	605593	49.784	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	586932	48.811	ug/l	99
89) n-Butylbenzene	14.80	91	997727	50.990	ug/l	99
90) Hexachloroethane	15.01	117	306246	50.829	ug/l	97
91) 1,2-Dichlorobenzene	14.81	146	495331	48.612	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	32656	48.398	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	247726	44.265	ug/l	98
94) Hexachlorobutadiene	16.04	225	186258	45.925	ug/l	99
95) Naphthalene	16.12	128	398999	46.515	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	129606	40.639	ug/l	99

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

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