

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061411.D
 Acq On : 29 Mar 2019 2:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 29 05:27:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	656964	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1145303	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	915679	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	422570	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	273378	48.71	ug/l	0.03
Spiked Amount			Recovery	=	97.42%	
35) Dibromofluoromethane	6.93	113	434819	49.68	ug/l	0.03
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	10.41	98	965855	46.01	ug/l	0.03
Spiked Amount			Recovery	=	92.02%	
62) 4-Bromofluorobenzene	13.56	95	393054	48.83	ug/l	0.01
Spiked Amount			Recovery	=	97.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	350769	49.995	ug/l	98
3) Chloromethane	1.77	50	253596	44.319	ug/l	96
4) Vinyl Chloride	1.87	62	256491	48.820	ug/l	99
5) Bromomethane	2.17	94	58340	55.998	ug/l	95
6) Chloroethane	2.28	64	93459	60.660	ug/l	95
7) Trichlorofluoromethane	2.55	101	393573	51.516	ug/l	98
8) Diethyl Ether	2.88	74	137598	55.940	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.17	101	407144	49.571	ug/l	96
10) Methyl Iodide	3.33	142	644519	51.506	ug/l	97
11) Tert butyl alcohol	4.07	59	90038	257.619	ug/l	98
12) 1,1-Dichloroethene	3.15	96	352931	50.050	ug/l	94
13) Acrolein	3.05	56	52452	191.623	ug/l	92
14) Allyl chloride	3.64	41	558445	56.779	ug/l	95
15) Acrylonitrile	4.20	53	355531	293.089	ug/l	99
16) Acetone	3.23	43	344450	238.759	ug/l	99
17) Carbon Disulfide	3.40	76	1125934	49.144	ug/l	100
18) Methyl Acetate	3.65	43	171633	56.583	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	682894	55.946	ug/l	97
20) Methylene Chloride	3.83	84	443847	55.116	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	402153	52.823	ug/l	97
22) Diisopropyl ether	5.13	45	1202239	57.763	ug/l	97
23) Vinyl Acetate	5.07	43	3091323	273.433	ug/l	99
24) 1,1-Dichloroethane	5.00	63	685859	56.072	ug/l	99
25) 2-Butanone	6.07	43	467201	257.446	ug/l	99
26) 2,2-Dichloropropane	6.03	77	488687	50.259	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	459550	55.094	ug/l	93
28) Bromochloromethane	6.45	49	265141	53.699	ug/l #	99
29) Tetrahydrofuran	6.46	42	251661	286.108	ug/l	99
30) Chloroform	6.67	83	687356	54.385	ug/l	99
31) Cyclohexane	6.96	56	504941	52.239	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	564970	50.669	ug/l	99
36) 1,1-Dichloropropene	7.15	75	498997	49.920	ug/l	96
37) Ethyl Acetate	6.18	43	232791	54.454	ug/l	99
38) Carbon Tetrachloride	7.12	117	561120	48.851	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	510913	49.076	ug/l	96
40) Benzene	7.46	78	1266337	50.478	ug/l	98
41) Methacrylonitrile	6.45	41	273154	54.647	ug/l	96
42) 1,2-Dichloroethane	7.59	62	409308	54.544	ug/l	99
43) Isopropyl Acetate	9.24	43	328820	52.864	ug/l #	95
44) Trichloroethene	8.54	130	492529	52.756	ug/l	96
45) 1,2-Dichloropropane	8.94	63	336254	52.859	ug/l	100
46) Dibromomethane	9.07	93	240550	56.182	ug/l	99
47) Bromodichloromethane	9.37	83	539727	56.163	ug/l	96
48) Methyl methacrylate	9.13	41	194587	56.685	ug/l	97
49) 1,4-Dioxane	9.09	88	42985	1135.270	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	1063266	280.972	ug/l	98
52) Toluene	10.51	92	776051	50.706	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	469996	53.830	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	571148	53.722	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	279756	52.267	ug/l	98
56) Ethyl methacrylate	11.05	69	309507	53.827	ug/l	98
57) 1,3-Dichloropropane	11.41	76	417134	53.022	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	754581	269.472	ug/l	99
59) 2-Hexanone	11.53	43	741963	270.612	ug/l	99
60) Dibromochloromethane	11.68	129	426436	51.680	ug/l	99
61) 1,2-Dibromoethane	11.80	107	341004	55.019	ug/l	99
64) Tetrachloroethene	11.26	164	356318	49.582	ug/l	96
65) Chlorobenzene	12.40	112	884012	47.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	376067	51.903	ug/l	98
67) Ethyl Benzene	12.52	91	1358900	47.575	ug/l	97
68) m/p-Xylenes	12.67	106	1066237	98.543	ug/l	97
69) o-Xylene	13.05	106	553250	52.691	ug/l	95
70) Styrene	13.07	104	1001852	54.736	ug/l	98
71) Bromoform	13.23	173	243817	53.084	ug/l	96
73) Isopropylbenzene	13.40	105	1465877	49.842	ug/l	98
74) N-amyl acetate	13.26	43	392913	47.958	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	313489	50.529	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	303572	49.732	ug/l	100
77) Bromobenzene	13.67	156	442530	50.755	ug/l	83
78) n-propylbenzene	13.77	91	1772992	49.261	ug/l	98
79) 2-Chlorotoluene	13.84	91	1000788	51.211	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1068149	46.809	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	100731	54.123	ug/l	93
82) 4-Chlorotoluene	13.95	91	1041542	49.016	ug/l	98
83) tert-Butylbenzene	14.19	119	1397554	49.007	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1246619	50.461	ug/l	100
85) sec-Butylbenzene	14.36	105	1423030	46.972	ug/l	98
86) p-Isopropyltoluene	14.49	119	1232217	48.100	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	680417	46.084	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	709930	49.306	ug/l	99
89) n-Butylbenzene	14.80	91	1149947	48.907	ug/l	99
90) Hexachloroethane	15.00	117	369225	51.017	ug/l	67
91) 1,2-Dichlorobenzene	14.81	146	646358	53.371	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	39241	53.928	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	272605	49.413	ug/l	97
94) Hexachlorobutadiene	16.04	225	217655	50.488	ug/l	98
95) Naphthalene	16.12	128	415639	49.427	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	114133	47.014	ug/l	97

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

