

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062948.D
 Acq On : 27 Jun 2019 23:44
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 28 05:26:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	747904	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	957003	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	835047	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	480484	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	432832	53.24	ug/l	-0.04
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	6.89	113	423257	52.45	ug/l	-0.04
Spiked Amount			Recovery	=	104.90%	
50) Toluene-d8	10.39	98	897036	51.08	ug/l	-0.03
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	13.54	95	390705	48.92	ug/l	-0.02
Spiked Amount			Recovery	=	97.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	437491	45.204	ug/l	100
3) Chloromethane	1.75	50	294672	40.485	ug/l	91
4) Vinyl Chloride	1.83	62	312463	43.297	ug/l	99
5) Bromomethane	2.14	94	144832	42.854	ug/l	95
6) Chloroethane	2.25	64	162242	49.657	ug/l	99
7) Trichlorofluoromethane	2.51	101	730745	50.034	ug/l	99
8) Diethyl Ether	2.85	74	101369	54.626	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.12	101	380030	48.030	ug/l	96
10) Methyl Iodide	3.28	142	502963	48.183	ug/l	100
11) Tert butyl alcohol	4.06	59	101226	273.392	ug/l #	86
12) 1,1-Dichloroethene	3.09	96	272103	45.843	ug/l	83
13) Acrolein	3.02	56	97499	257.939	ug/l	96
14) Allyl chloride	3.59	41	428872	48.900	ug/l #	88
15) Acrylonitrile	4.17	53	243428	279.799	ug/l	96
16) Acetone	3.20	43	447801	272.245	ug/l	99
17) Carbon Disulfide	3.34	76	799768	42.160	ug/l #	94
18) Methyl Acetate	3.62	43	171379	69.833	ug/l #	87
19) Methyl tert-butyl Ether	4.22	73	756282	58.857	ug/l	96
20) Methylene Chloride	3.78	84	311343	50.217	ug/l	94
21) trans-1,2-Dichloroethene	4.19	96	313994	49.682	ug/l	93
22) Diisopropyl ether	5.09	45	966433	54.184	ug/l	98
23) Vinyl Acetate	5.02	43	2942468	263.641	ug/l	100
24) 1,1-Dichloroethane	4.94	63	584137	50.301	ug/l	99
25) 2-Butanone	6.05	43	450508	296.293	ug/l	94
26) 2,2-Dichloropropane	6.00	77	556972	45.249	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	336100	50.288	ug/l	94
28) Bromochloromethane	6.41	49	222333	54.360	ug/l	85
29) Tetrahydrofuran	6.43	42	209642	291.413	ug/l	98
30) Chloroform	6.64	83	794285	56.241	ug/l	94
31) Cyclohexane	6.91	56	337558	44.216	ug/l	97
32) 1,1,1-Trichloroethane	6.84	97	787192	53.514	ug/l	94
36) 1,1-Dichloropropene	7.12	75	469435	51.818	ug/l	100
37) Ethyl Acetate	6.16	43	228289	60.213	ug/l #	94
38) Carbon Tetrachloride	7.08	117	767843m	56.356	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	391073	49.041	ug/l	96
40) Benzene	7.43	78	1005800	55.309	ug/l	95
41) Methacrylonitrile	6.42	41	295454	61.842	ug/l #	90
42) 1,2-Dichloroethane	7.55	62	619278	62.425	ug/l	98
43) Isopropyl Acetate	9.22	43	299568	63.073	ug/l #	91
44) Trichloroethene	8.52	130	407977	57.225	ug/l	99
45) 1,2-Dichloropropane	8.91	63	237789	52.587	ug/l	93
46) Dibromomethane	9.04	93	225215	57.981	ug/l	95
47) Bromodichloromethane	9.35	83	607181	60.189	ug/l	98
48) Methyl methacrylate	9.10	41	209252	61.998	ug/l	98
49) 1,4-Dioxane	9.05	88	34635	1233.433	ug/l #	87
51) 4-Methyl-2-Pentanone	10.28	43	1061013	315.085	ug/l	99
52) Toluene	10.49	92	696437	56.973	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	499257	60.466	ug/l	95
54) cis-1,3-Dichloropropene	10.01	75	487249	54.293	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	262254	62.446	ug/l	91
56) Ethyl methacrylate	11.02	69	277073	61.734	ug/l	96
57) 1,3-Dichloropropane	11.38	76	384498	59.794	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	687010	298.162	ug/l	98
59) 2-Hexanone	11.51	43	824569	343.826	ug/l	95
60) Dibromochloromethane	11.67	129	493774	63.122	ug/l	99
61) 1,2-Dibromoethane	11.79	107	322048	64.928	ug/l	91
64) Tetrachloroethene	11.24	164	419071	60.977	ug/l	97
65) Chlorobenzene	12.39	112	873948	56.393	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	427978	59.051	ug/l	91
67) Ethyl Benzene	12.50	91	1581393	56.835	ug/l	95
68) m/p-Xylenes	12.65	106	1053689	108.730	ug/l	98
69) o-Xylene	13.04	106	545013	61.521	ug/l	99
70) Styrene	13.06	104	937838	60.271	ug/l	97
71) Bromoform	13.22	173	319308	64.304	ug/l	94
73) Isopropylbenzene	13.39	105	1592781	51.701	ug/l	99
74) N-amyl acetate	13.25	43	452797	60.522	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	321311	64.011	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	324082	58.426	ug/l	91
77) Bromobenzene	13.66	156	449389	54.232	ug/l	99
78) n-propylbenzene	13.77	91	1854477	51.718	ug/l	99
79) 2-Chlorotoluene	13.82	91	1177160	57.445	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	1393570	53.853	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	79271	54.529	ug/l	91
82) 4-Chlorotoluene	13.93	91	1387796	56.254	ug/l	94
83) tert-Butylbenzene	14.18	119	1429129	49.547	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1393177	52.527	ug/l	98
85) sec-Butylbenzene	14.36	105	1658998	52.919	ug/l	97
86) p-Isopropyltoluene	14.48	119	1512368	52.732	ug/l	95
87) 1,3-Dichlorobenzene	14.44	146	809211	54.478	ug/l	95
88) 1,4-Dichlorobenzene	14.52	146	811393	54.385	ug/l	98
89) n-Butylbenzene	14.79	91	1320595	49.196	ug/l	96
90) Hexachloroethane	15.00	117	430659	55.848	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	683635	53.793	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	58980	60.200	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	576831	58.104	ug/l	97
94) Hexachlorobutadiene	16.03	225	410328	54.103	ug/l	94
95) Naphthalene	16.11	128	827275	59.454	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	464213	60.859	ug/l	95

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

