

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063595.D
 Acq On : 15 Aug 2019 1:17
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 15 12:05:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1007625	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	1410104	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1159764	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	667064	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	605218	56.19	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.38%	
35) Dibromofluoromethane	6.92	113	629889	53.04	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.08%	
50) Toluene-d8	10.41	98	1393788	53.38	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.76%	
62) 4-Bromofluorobenzene	13.56	95	608265	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	540460	44.335	ug/l	95
3) Chloromethane	1.74	50	434726	45.643	ug/l	95
4) Vinyl Chloride	1.84	62	435610	46.071	ug/l	98
5) Bromomethane	2.15	94	239358	53.650	ug/l	99
6) Chloroethane	2.27	64	246905	57.104	ug/l	92
7) Trichlorofluoromethane	2.53	101	942120	50.798	ug/l	98
8) Diethyl Ether	2.87	74	139726	53.360	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.14	101	552905	50.488	ug/l	99
10) Methyl Iodide	3.30	142	818689	52.836	ug/l	95
11) Tert butyl alcohol	4.08	59	133229	284.148	ug/l	96
12) 1,1-Dichloroethene	3.12	96	392728	48.235	ug/l	88
13) Acrolein	3.02	56	117688	255.002	ug/l	85
14) Allyl chloride	3.62	41	641945	52.447	ug/l	97
15) Acrylonitrile	4.20	53	365391	294.212	ug/l	94
16) Acetone	3.22	43	505942	231.079	ug/l	95
17) Carbon Disulfide	3.37	76	1252237	48.732	ug/l	98
18) Methyl Acetate	3.64	43	230578	55.599	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	975414	59.903	ug/l	100
20) Methylene Chloride	3.81	84	452109	47.753	ug/l	92
21) trans-1,2-Dichloroethene	4.22	96	467519	54.566	ug/l	95
22) Diisopropyl ether	5.12	45	1361328	53.899	ug/l	98
23) Vinyl Acetate	5.05	43	4035804	274.855	ug/l	100
24) 1,1-Dichloroethane	4.97	63	833357	53.198	ug/l	99
25) 2-Butanone	6.07	43	578077	267.331	ug/l	98
26) 2,2-Dichloropropane	6.02	77	777739	49.845	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	484821	51.719	ug/l	92
28) Bromochloromethane	6.43	49	338586	53.329	ug/l	95
29) Tetrahydrofuran	6.46	42	277277	275.178	ug/l	96
30) Chloroform	6.67	83	1015415	52.148	ug/l	95
31) Cyclohexane	6.95	56	474703	48.812	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	960519	51.568	ug/l	97
36) 1,1-Dichloropropene	7.14	75	607291	48.717	ug/l	96
37) Ethyl Acetate	6.18	43	271909	52.055	ug/l	99
38) Carbon Tetrachloride	7.11	117	1001247	53.294	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	488790	46.112	ug/l	98
40) Benzene	7.45	78	1449846	52.851	ug/l	100
41) Methacrylonitrile	6.45	41	366813	55.773	ug/l	98
42) 1,2-Dichloroethane	7.57	62	765193	55.474	ug/l	98
43) Isopropyl Acetate	9.24	43	398362	56.942	ug/l #	94
44) Trichloroethene	8.54	130	535402	51.062	ug/l	97
45) 1,2-Dichloropropane	8.94	63	348607	54.569	ug/l	99
46) Dibromomethane	9.06	93	321091	58.856	ug/l	100
47) Bromodichloromethane	9.37	83	771949	55.163	ug/l	95
48) Methyl methacrylate	9.12	41	266782	56.230	ug/l	95
49) 1,4-Dioxane	9.08	88	45547	1073.190	ug/l #	79
51) 4-Methyl-2-Pentanone	10.30	43	1452284	303.374	ug/l	98
52) Toluene	10.51	92	922476	52.208	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	631064	55.257	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	690739	53.639	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	320744	53.739	ug/l	97
56) Ethyl methacrylate	11.04	69	368287	56.850	ug/l	96
57) 1,3-Dichloropropane	11.40	76	492732	54.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	946778	276.830	ug/l	98
59) 2-Hexanone	11.53	43	971447	278.892	ug/l	95
60) Dibromochloromethane	11.69	129	620555	57.138	ug/l	96
61) 1,2-Dibromoethane	11.81	107	395002	54.668	ug/l	98
64) Tetrachloroethene	11.25	164	449730	50.232	ug/l	95
65) Chlorobenzene	12.40	112	1211017	55.713	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	518915	54.244	ug/l	94
67) Ethyl Benzene	12.52	91	1868615	49.441	ug/l	100
68) m/p-Xylenes	12.67	106	1460887	110.019	ug/l	99
69) o-Xylene	13.05	106	702679	54.982	ug/l	100
70) Styrene	13.08	104	1208678	53.168	ug/l	98
71) Bromoform	13.23	173	392843	59.889	ug/l	98
73) Isopropylbenzene	13.40	105	2077936	48.974	ug/l	100
74) N-amyl acetate	13.26	43	548601	51.507	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	365848	51.949	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	394725	51.560	ug/l	98
77) Bromobenzene	13.67	156	573756	49.479	ug/l	95
78) n-propylbenzene	13.77	91	2219807	44.715	ug/l	96
79) 2-Chlorotoluene	13.84	91	1380979	48.247	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	1792032	48.339	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	107045	52.023	ug/l	92
82) 4-Chlorotoluene	13.94	91	1715461	49.840	ug/l	98
83) tert-Butylbenzene	14.19	119	2020123	51.748	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1750049	51.020	ug/l	96
85) sec-Butylbenzene	14.37	105	1884860	45.465	ug/l	99
86) p-Isopropyltoluene	14.49	119	1903854	48.029	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	949813	45.283	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	966703	48.038	ug/l	98
89) n-Butylbenzene	14.80	91	1605048	44.365	ug/l	97
90) Hexachloroethane	15.01	117	504151	50.601	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	864958	48.605	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	73429	55.375	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	660339	50.429	ug/l	94
94) Hexachlorobutadiene	16.04	225	474650	47.561	ug/l	98
95) Naphthalene	16.12	128	1014770	51.135	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	530029	50.115	ug/l	95

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

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