

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\
 Data File : VD063696.D
 Acq On : 20 Aug 2019 20:29
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 21 03:52:58 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	7.03	168	863429	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	1223537	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1044580	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	561313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	504340	54.64	ug/l	-0.03
Spiked Amount			Recovery	=	109.28%	
35) Dibromofluoromethane	6.91	113	532021	51.63	ug/l	-0.03
Spiked Amount			Recovery	=	103.26%	
50) Toluene-d8	10.40	98	1161093	51.25	ug/l	-0.02
Spiked Amount			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	13.55	95	535666	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	453821	43.445	ug/l	98
3) Chloromethane	1.74	50	374874	45.932	ug/l	100
4) Vinyl Chloride	1.84	62	382718	47.237	ug/l	95
5) Bromomethane	2.13	94	183191	47.918	ug/l #	97
6) Chloroethane	2.25	64	177737	47.972	ug/l	93
7) Trichlorofluoromethane	2.52	101	757125	47.641	ug/l	100
8) Diethyl Ether	2.85	74	113425	50.550	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.13	101	453185	48.294	ug/l	91
10) Methyl Iodide	3.29	142	555049	41.804	ug/l	99
11) Tert butyl alcohol	4.06	59	109262	271.949	ug/l	98
12) 1,1-Dichloroethene	3.11	96	306697	43.959	ug/l	95
13) Acrolein	3.02	56	82100	207.600	ug/l	94
14) Allyl chloride	3.60	41	518855	49.470	ug/l	98
15) Acrylonitrile	4.18	53	274039	257.506	ug/l	95
16) Acetone	3.21	43	433424	231.017	ug/l	96
17) Carbon Disulfide	3.35	76	891626	40.493	ug/l	100
18) Methyl Acetate	3.62	43	189939	53.448	ug/l #	90
19) Methyl tert-butyl Ether	4.22	73	733199	52.548	ug/l	95
20) Methylene Chloride	3.80	84	350850	43.247	ug/l #	89
21) trans-1,2-Dichloroethene	4.19	96	348002	47.400	ug/l	94
22) Diisopropyl ether	5.11	45	1074590	49.651	ug/l	97
23) Vinyl Acetate	5.04	43	3381143	268.726	ug/l #	96
24) 1,1-Dichloroethane	4.96	63	679150	50.594	ug/l	99
25) 2-Butanone	6.06	43	456570	246.401	ug/l #	90
26) 2,2-Dichloropropane	6.00	77	651681	48.741	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	407828	50.771	ug/l	92
28) Bromochloromethane	6.42	49	286531	52.667	ug/l	93
29) Tetrahydrofuran	6.45	42	217310	251.682	ug/l	97
30) Chloroform	6.64	83	863525	51.754	ug/l	92
31) Cyclohexane	6.94	56	384916	46.189	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	836785	52.428	ug/l	97
36) 1,1-Dichloropropene	7.13	75	538870	49.820	ug/l	95
37) Ethyl Acetate	6.16	43	235312	51.918	ug/l #	92
38) Carbon Tetrachloride	7.09	117	899024	55.150	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	421164	45.791	ug/l	98
40) Benzene	7.44	78	1184165	49.749	ug/l	100
41) Methacrylonitrile	6.45	41	291955	51.160	ug/l #	93
42) 1,2-Dichloroethane	7.57	62	608637	50.852	ug/l	99
43) Isopropyl Acetate	9.23	43	336995	55.515	ug/l #	98
44) Trichloroethene	8.53	130	448762	49.325	ug/l	94
45) 1,2-Dichloropropane	8.93	63	275438	49.690	ug/l	92
46) Dibromomethane	9.05	93	259068	54.728	ug/l	95
47) Bromodichloromethane	9.36	83	647421	53.319	ug/l	99
48) Methyl methacrylate	9.11	41	211303	51.328	ug/l	99
49) 1,4-Dioxane	9.07	88	37403	1017.007	ug/l #	78
51) 4-Methyl-2-Pentanone	10.29	43	1105104	266.050	ug/l	98
52) Toluene	10.50	92	769824	50.212	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	503819	50.842	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	578976	51.816	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	270338	52.200	ug/l	96
56) Ethyl methacrylate	11.03	69	307697	54.740	ug/l	96
57) 1,3-Dichloropropane	11.40	76	438415	56.004	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	871665	293.730	ug/l	97
59) 2-Hexanone	11.52	43	836005	276.605	ug/l	95
60) Dibromochloromethane	11.68	129	501638	53.231	ug/l	97
61) 1,2-Dibromoethane	11.80	107	324462	51.753	ug/l	98
64) Tetrachloroethene	11.25	164	403530	50.042	ug/l	96
65) Chlorobenzene	12.39	112	1003960	51.280	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	450216	52.252	ug/l	95
67) Ethyl Benzene	12.52	91	1689651	49.635	ug/l	99
68) m/p-Xylenes	12.67	106	1237011	103.431	ug/l	99
69) o-Xylene	13.04	106	569357	49.463	ug/l	96
70) Styrene	13.07	104	1042665	50.923	ug/l	95
71) Bromoform	13.23	173	311329	52.696	ug/l	96
73) Isopropylbenzene	13.40	105	1682964	47.138	ug/l	98
74) N-amyl acetate	13.26	43	469722	52.410	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	333854	56.337	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	348429	54.087	ug/l	95
77) Bromobenzene	13.66	156	501873	51.434	ug/l	94
78) n-propylbenzene	13.77	91	2061809	49.357	ug/l	97
79) 2-Chlorotoluene	13.84	91	1093800	45.413	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	1649016	52.862	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	81052	46.812	ug/l	97
82) 4-Chlorotoluene	13.94	91	1538167	53.108	ug/l	95
83) tert-Butylbenzene	14.18	119	1622496	49.392	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1560828	54.076	ug/l	93
85) sec-Butylbenzene	14.36	105	1744384	50.004	ug/l	99
86) p-Isopropyltoluene	14.49	119	1634610	49.006	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	809958	45.891	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	813945	48.067	ug/l	97
89) n-Butylbenzene	14.79	91	1456484	47.843	ug/l	95
90) Hexachloroethane	15.00	117	428140	51.068	ug/l	87
91) 1,2-Dichlorobenzene	14.80	146	747203	49.898	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	58484	52.413	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	578728	52.523	ug/l	96
94) Hexachlorobutadiene	16.03	225	414735	49.387	ug/l	98
95) Naphthalene	16.12	128	826946	49.521	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	475679	53.449	ug/l	96

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

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