

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082119\
 Data File : VD063705.D
 Acq On : 21 Aug 2019 11:25
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 22 01:23:33 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	1090240	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1451468	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1213459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	669607	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	558871	47.96	ug/l	-0.02
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	6.92	113	625320	51.15	ug/l	-0.02
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	10.41	98	1453101	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	
62) 4-Bromofluorobenzene	13.55	95	618041	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	580822	44.035	ug/l	96
3) Chloromethane	1.74	50	426165	41.353	ug/l	100
4) Vinyl Chloride	1.84	62	463284	45.285	ug/l	97
5) Bromomethane	2.14	94	218597	45.284	ug/l	93
6) Chloroethane	2.26	64	238167	50.909	ug/l	92
7) Trichlorofluoromethane	2.52	101	972131	48.445	ug/l	99
8) Diethyl Ether	2.86	74	130838	46.180	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	526544	44.438	ug/l	89
10) Methyl Iodide	3.29	142	749184	44.687	ug/l	91
11) Tert butyl alcohol	4.07	59	129063	254.404	ug/l	97
12) 1,1-Dichloroethene	3.11	96	389678	44.233	ug/l	99
13) Acrolein	3.02	56	105014	210.298	ug/l	92
14) Allyl chloride	3.61	41	643037	48.555	ug/l	96
15) Acrylonitrile	4.19	53	321185	239.020	ug/l	94
16) Acetone	3.22	43	649253	274.063	ug/l	100
17) Carbon Disulfide	3.36	76	1215318	43.711	ug/l	98
18) Methyl Acetate	3.64	43	204695	45.618	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	925403	52.525	ug/l	100
20) Methylene Chloride	3.80	84	424663	41.455	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	440347	47.500	ug/l	96
22) Diisopropyl ether	5.12	45	1347605	49.312	ug/l	100
23) Vinyl Acetate	5.05	43	4098013	257.943	ug/l	98
24) 1,1-Dichloroethane	4.97	63	847695	50.012	ug/l	98
25) 2-Butanone	6.06	43	603206	257.813	ug/l	99
26) 2,2-Dichloropropane	6.01	77	864796	51.224	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	502293	49.522	ug/l	93
28) Bromochloromethane	6.43	49	344648	50.171	ug/l	98
29) Tetrahydrofuran	6.45	42	266112	244.085	ug/l	96
30) Chloroform	6.65	83	1036900	49.216	ug/l	91
31) Cyclohexane	6.95	56	481160	45.727	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	1002235	49.730	ug/l	99
36) 1,1-Dichloropropene	7.14	75	656903	51.195	ug/l	98
37) Ethyl Acetate	6.18	43	288791	53.712	ug/l #	96
38) Carbon Tetrachloride	7.10	117	1043877	53.980	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	544054	49.863	ug/l	99
40) Benzene	7.45	78	1354248	47.960	ug/l	95
41) Methacrylonitrile	6.43	41	356438	52.651	ug/l #	88
42) 1,2-Dichloroethane	7.57	62	707375	49.821	ug/l	98
43) Isopropyl Acetate	9.24	43	386659	53.694	ug/l #	97
44) Trichloroethene	8.54	130	555638	51.482	ug/l	95
45) 1,2-Dichloropropane	8.94	63	345501	52.542	ug/l	96
46) Dibromomethane	9.06	93	288431	51.363	ug/l	95
47) Bromodichloromethane	9.37	83	785884	54.558	ug/l	99
48) Methyl methacrylate	9.12	41	252968	51.799	ug/l	98
49) 1,4-Dioxane	9.09	88	44131	1011.645	ug/l #	83
51) 4-Methyl-2-Pentanone	10.30	43	1292034	262.207	ug/l	95
52) Toluene	10.51	92	937889	51.568	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	648286	55.147	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	695268	52.452	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	314418	51.178	ug/l	96
56) Ethyl methacrylate	11.04	69	352938	52.928	ug/l	97
57) 1,3-Dichloropropane	11.41	76	472127	50.840	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	957037	271.855	ug/l	96
59) 2-Hexanone	11.53	43	928206	258.884	ug/l	98
60) Dibromochloromethane	11.68	129	572700	51.229	ug/l	99
61) 1,2-Dibromoethane	11.80	107	406711	54.685	ug/l	96
64) Tetrachloroethene	11.26	164	465649	49.709	ug/l	95
65) Chlorobenzene	12.40	112	1123205	49.387	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	544434	54.394	ug/l	96
67) Ethyl Benzene	12.52	91	2101770	53.149	ug/l	100
68) m/p-Xylenes	12.67	106	1415166	101.860	ug/l	99
69) o-Xylene	13.05	106	703999	52.648	ug/l	95
70) Styrene	13.07	104	1213992	51.039	ug/l	96
71) Bromoform	13.24	173	385769	56.208	ug/l	99
73) Isopropylbenzene	13.40	105	2016602	47.348	ug/l	99
74) N-amyl acetate	13.27	43	540580	50.561	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	364801	51.604	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	397088	51.671	ug/l	96
77) Bromobenzene	13.67	156	546312	46.933	ug/l	90
78) n-propylbenzene	13.77	91	2392726	48.015	ug/l	95
79) 2-Chlorotoluene	13.84	91	1397160	48.627	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1797454	48.302	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	110208	53.357	ug/l	91
82) 4-Chlorotoluene	13.95	91	1704002	49.319	ug/l	97
83) tert-Butylbenzene	14.19	119	2008749	51.261	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1722171	50.017	ug/l	96
85) sec-Butylbenzene	14.37	105	2059479	49.488	ug/l	97
86) p-Isopropyltoluene	14.49	119	1987562	49.951	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1066876	50.671	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	970299	48.033	ug/l	98
89) n-Butylbenzene	14.79	91	1755506	48.340	ug/l	95
90) Hexachloroethane	15.01	117	506012	50.595	ug/l	98
91) 1,2-Dichlorobenzene	14.80	146	852944	47.748	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	69841	52.469	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	692364	52.673	ug/l	94
94) Hexachlorobutadiene	16.03	225	525283	52.435	ug/l	97
95) Naphthalene	16.12	128	990563	49.726	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	561858	52.923	ug/l	98

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

