

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081519\
 Data File : VD063624.D
 Acq On : 15 Aug 2019 23:45
 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 16 00:59:13 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	859135	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1277002	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1079556	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	610410	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	535669	58.33	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	116.66%	
35) Dibromofluoromethane	6.91	113	572078	53.19	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	10.40	98	1274147	53.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.78%	
62) 4-Bromofluorobenzene	13.54	95	500672	46.72	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	536561	51.622	ug/l	94
3) Chloromethane	1.74	50	411154	50.629	ug/l	96
4) Vinyl Chloride	1.84	62	406255	50.393	ug/l	91
5) Bromomethane	2.14	94	224388	58.988	ug/l	96
6) Chloroethane	2.26	64	210013	56.966	ug/l	93
7) Trichlorofluoromethane	2.53	101	871470	55.110	ug/l	98
8) Diethyl Ether	2.86	74	128251	57.443	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	481785	51.598	ug/l	97
10) Methyl Iodide	3.30	142	682670	51.673	ug/l #	96
11) Tert butyl alcohol	4.07	59	112967	282.576	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	370941	53.433	ug/l	89
13) Acrolein	3.03	56	110374	280.489	ug/l	89
14) Allyl chloride	3.61	41	550039	52.706	ug/l	95
15) Acrylonitrile	4.19	53	295521	279.080	ug/l	96
16) Acetone	3.21	43	475378	254.645	ug/l	99
17) Carbon Disulfide	3.36	76	1076045	49.113	ug/l	100
18) Methyl Acetate	3.63	43	195703	55.346	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	841795	60.632	ug/l	99
20) Methylene Chloride	3.81	84	397349	49.223	ug/l #	92
21) trans-1,2-Dichloroethene	4.20	96	396052	54.214	ug/l	96
22) Diisopropyl ether	5.12	45	1156930	53.723	ug/l	96
23) Vinyl Acetate	5.05	43	3573270	285.415	ug/l	99
24) 1,1-Dichloroethane	4.97	63	727662	54.479	ug/l	98
25) 2-Butanone	6.06	43	501555	272.031	ug/l	94
26) 2,2-Dichloropropane	6.01	77	725769	54.553	ug/l	93
27) cis-1,2-Dichloroethene	6.02	96	438535	54.867	ug/l	91
28) Bromochloromethane	6.43	49	302919	55.958	ug/l	97
29) Tetrahydrofuran	6.45	42	240438	279.860	ug/l	95
30) Chloroform	6.65	83	946291	56.998	ug/l	94
31) Cyclohexane	6.94	56	394395	47.563	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	936264	58.953	ug/l	94
36) 1,1-Dichloropropene	7.14	75	606037	53.684	ug/l	95
37) Ethyl Acetate	6.18	43	266959	56.434	ug/l	98
38) Carbon Tetrachloride	7.11	117	967850	56.886	ug/l	97

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39) Methylcyclohexane	8.86	83	483049	50.321	ug/l	95
40) Benzene	7.44	78	1274402	51.298	ug/l	100
41) Methacrylonitrile	6.45	41	332801	55.875	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	716066	57.323	ug/l	99
43) Isopropyl Acetate	9.23	43	357643	56.450	ug/l #	95
44) Trichloroethene	8.53	130	483038	50.870	ug/l	97
45) 1,2-Dichloropropane	8.93	63	310516	53.673	ug/l	100
46) Dibromomethane	9.05	93	275073	55.676	ug/l	94
47) Bromodichloromethane	9.37	83	748797	59.086	ug/l	98
48) Methyl methacrylate	9.11	41	238846	55.589	ug/l	97
49) 1,4-Dioxane	9.07	88	40010	1041.729	ug/l #	80
51) 4-Methyl-2-Pentanone	10.30	43	1252555	288.923	ug/l	97
52) Toluene	10.50	92	846422	52.897	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	596358	57.661	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	652837	55.980	ug/l	93
55) 1,1,2-Trichloroethane	11.18	97	301763	55.829	ug/l	96
56) Ethyl methacrylate	11.03	69	329422	56.151	ug/l	96
57) 1,3-Dichloropropane	11.40	76	471260	57.679	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	826092	266.718	ug/l	100
59) 2-Hexanone	11.53	43	912718	289.343	ug/l	96
60) Dibromochloromethane	11.67	129	563260	57.268	ug/l	98
61) 1,2-Dibromoethane	11.80	107	360722	55.128	ug/l	99
64) Tetrachloroethene	11.25	164	490666	58.876	ug/l	95
65) Chlorobenzene	12.39	112	1067397	52.754	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	481380	54.059	ug/l	94
67) Ethyl Benzene	12.52	91	1786278	50.774	ug/l	100
68) m/p-Xylenes	12.66	106	1307196	105.758	ug/l	92
69) o-Xylene	13.04	106	633692	53.268	ug/l	100
70) Styrene	13.06	104	1109117	52.414	ug/l	98
71) Bromoform	13.23	173	367316	60.158	ug/l	97
73) Isopropylbenzene	13.40	105	1893179	48.761	ug/l	98
74) N-amyl acetate	13.26	43	529057	54.282	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	367858	57.083	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	387327	55.289	ug/l	95
77) Bromobenzene	13.66	156	557290	52.519	ug/l	98
78) n-propylbenzene	13.77	91	2087568	45.954	ug/l	96
79) 2-Chlorotoluene	13.83	91	1338749	51.112	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1686129	49.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	97656	51.865	ug/l	98
82) 4-Chlorotoluene	13.94	91	1551861	49.271	ug/l	98
83) tert-Butylbenzene	14.18	119	1791151	50.141	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	1596986	50.879	ug/l	95
85) sec-Butylbenzene	14.36	105	2019414	53.231	ug/l	99
86) p-Isopropyltoluene	14.49	119	1775840	48.958	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	937439	48.842	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	902951	49.034	ug/l	100
89) n-Butylbenzene	14.79	91	1652215	49.908	ug/l	97
90) Hexachloroethane	15.00	117	494748	54.266	ug/l	99
91) 1,2-Dichlorobenzene	14.80	146	829485	50.938	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	65066	53.622	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	682132	56.928	ug/l	97
94) Hexachlorobutadiene	16.03	225	485797	53.196	ug/l	95
95) Naphthalene	16.11	128	937918	51.649	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	507660	52.455	ug/l	98

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

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