

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070819\
 Data File : VD063032.D
 Acq On : 8 Jul 2019 13:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 09 05:17:52 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	7.05	168	988710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1346490	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1105901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	572661	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	511169	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
35) Dibromofluoromethane	6.93	113	542885	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
50) Toluene-d8	10.41	98	1141155	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
62) 4-Bromofluorobenzene	13.56	95	524208	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	546246	42.695	ug/l	99
3) Chloromethane	1.75	50	431255	44.819	ug/l	99
4) Vinyl Chloride	1.85	62	459041	48.116	ug/l	96
5) Bromomethane	2.15	94	213431	47.771	ug/l	98
6) Chloroethane	2.27	64	226863	52.524	ug/l #	88
7) Trichlorofluoromethane	2.54	101	986259	51.081	ug/l	96
8) Diethyl Ether	2.87	74	127224	51.861	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	573499	54.828	ug/l	93
10) Methyl Iodide	3.30	142	729644	52.874	ug/l	99
11) Tert butyl alcohol	4.08	59	132456	270.609	ug/l	98
12) 1,1-Dichloroethene	3.13	96	409057	52.131	ug/l	86
13) Acrolein	3.04	56	107834	215.799	ug/l	94
14) Allyl chloride	3.62	41	608752	52.504	ug/l	97
15) Acrylonitrile	4.20	53	307862	267.675	ug/l	97
16) Acetone	3.23	43	591497	272.017	ug/l	95
17) Carbon Disulfide	3.37	76	1142893	45.574	ug/l	95
18) Methyl Acetate	3.64	43	167817	51.727	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	966842	56.918	ug/l	97
20) Methylene Chloride	3.82	84	422027	51.490	ug/l	92
21) trans-1,2-Dichloroethene	4.22	96	444981	53.259	ug/l	88
22) Diisopropyl ether	5.13	45	1280843	54.321	ug/l	94
23) Vinyl Acetate	5.07	43	4038334	273.704	ug/l	100
24) 1,1-Dichloroethane	4.99	63	790686	51.505	ug/l	99
25) 2-Butanone	6.07	43	550874	274.061	ug/l	97
26) 2,2-Dichloropropane	6.02	77	914050	56.173	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	463642	52.476	ug/l	95
28) Bromochloromethane	6.44	49	265225	49.053	ug/l	84
29) Tetrahydrofuran	6.46	42	256880	270.108	ug/l	96
30) Chloroform	6.67	83	986349	52.831	ug/l	100
31) Cyclohexane	6.96	56	535494	53.060	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	1020940	52.501	ug/l	96
36) 1,1-Dichloropropene	7.15	75	645274	50.624	ug/l	95
37) Ethyl Acetate	6.19	43	271589	50.739	ug/l	97
38) Carbon Tetrachloride	7.11	117	969999m	50.600	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	597943	53.293	ug/l	98
40) Benzene	7.46	78	1371638	53.609	ug/l	96
41) Methacrylonitrile	6.45	41	346885	51.605	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	714347	51.179	ug/l	99
43) Isopropyl Acetate	9.24	43	348323	52.125	ug/l	92
44) Trichloroethene	8.54	130	543017	54.135	ug/l	95
45) 1,2-Dichloropropane	8.95	63	340500	53.520	ug/l	97
46) Dibromomethane	9.06	93	276211	50.540	ug/l	98
47) Bromodichloromethane	9.38	83	746463	52.592	ug/l	100
48) Methyl methacrylate	9.12	41	243007	51.172	ug/l	96
49) 1,4-Dioxane	9.08	88	41240	1043.828	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	1230125	259.637	ug/l	100
52) Toluene	10.51	92	924649	53.762	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	605137	52.090	ug/l	93
54) cis-1,3-Dichloropropene	10.04	75	688398	54.518	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	307346	52.014	ug/l	92
56) Ethyl methacrylate	11.04	69	347490	55.028	ug/l	97
57) 1,3-Dichloropropane	11.42	76	482417	53.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	794029	244.926	ug/l	93
59) 2-Hexanone	11.53	43	977412	289.667	ug/l	98
60) Dibromochloromethane	11.69	129	560405	50.917	ug/l	93
61) 1,2-Dibromoethane	11.81	107	365410	52.361	ug/l	97
64) Tetrachloroethene	11.26	164	480722	52.816	ug/l	98
65) Chlorobenzene	12.40	112	1160142	56.525	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	514924	53.647	ug/l	91
67) Ethyl Benzene	12.53	91	2023514	54.913	ug/l	100
68) m/p-Xylenes	12.67	106	1402935	109.312	ug/l	94
69) o-Xylene	13.05	106	634987	54.122	ug/l	100
70) Styrene	13.07	104	1104597	53.602	ug/l	97
71) Bromoform	13.24	173	357388	54.345	ug/l	99
73) Isopropylbenzene	13.40	105	1902283	51.808	ug/l	99
74) N-amyl acetate	13.27	43	536502	60.167	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	348949	58.327	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	385710	58.344	ug/l	95
77) Bromobenzene	13.67	156	544044	55.087	ug/l	89
78) n-propylbenzene	13.78	91	2474688	57.906	ug/l	98
79) 2-Chlorotoluene	13.84	91	1411794	57.806	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1697372	55.035	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	101345	58.492	ug/l	97
82) 4-Chlorotoluene	13.95	91	1608275	54.698	ug/l	95
83) tert-Butylbenzene	14.19	119	1971047	57.335	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1671282	52.870	ug/l	99
85) sec-Butylbenzene	14.37	105	2009456	53.781	ug/l	97
86) p-Isopropyltoluene	14.50	119	1858027	54.357	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	904278	51.079	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	999953	56.236	ug/l	96
89) n-Butylbenzene	14.80	91	1739895	54.383	ug/l	95
90) Hexachloroethane	15.01	117	527493	57.395	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	859506	56.745	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	66335	56.809	ug/l #	54

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	623957	52.734	ug/l	98
94) Hexachlorobutadiene	16.04	225	479009	52.992	ug/l	97
95) Naphthalene	16.12	128	901956	54.387	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	474940	52.243	ug/l	99

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

