

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060619\
 Data File : VD062631.D
 Acq On : 6 Jun 2019 18:14
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jun 07 04:40:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 07 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	783242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1046541	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	856828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	513612	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	795293	74.33	ug/l	0.00
Spiked Amount			Recovery	=	148.66%	
35) Dibromofluoromethane	6.93	113	787147	73.71	ug/l	0.00
Spiked Amount			Recovery	=	147.42%	
50) Toluene-d8	10.42	98	1699554	73.05	ug/l	0.00
Spiked Amount			Recovery	=	146.10%	
62) 4-Bromofluorobenzene	13.57	95	743357	68.62	ug/l	0.00
Spiked Amount			Recovery	=	137.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	557603	57.829	ug/l	100
3) Chloromethane	1.76	50	478178	63.765	ug/l	99
4) Vinyl Chloride	1.85	62	482614	65.290	ug/l	96
5) Bromomethane	2.15	94	236687	63.251	ug/l	90
6) Chloroethane	2.27	64	261804	68.820	ug/l	97
7) Trichlorofluoromethane	2.53	101	1165330	71.145	ug/l	98
8) Diethyl Ether	2.88	74	159845	76.022	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.15	101	647160	69.572	ug/l	96
10) Methyl Iodide	3.31	142	859659	74.155	ug/l	99
11) Tert butyl alcohol	4.10	59	167085	358.926	ug/l #	90
12) 1,1-Dichloroethene	3.12	96	464087	69.162	ug/l	98
13) Acrolein	3.04	56	50238	298.405	ug/l	86
14) Allyl chloride	3.63	41	715980	70.063	ug/l	95
15) Acrylonitrile	4.21	53	393790	380.595	ug/l	97
16) Acetone	3.23	43	759762	393.024	ug/l	99
17) Carbon Disulfide	3.38	76	1414842	72.264	ug/l	100
18) Methyl Acetate	3.65	43	203499	60.228	ug/l	97
19) Methyl tert-butyl Ether	4.25	73	1211878	73.787	ug/l	99
20) Methylene Chloride	3.82	84	484754	65.752	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	541063	73.157	ug/l	89
22) Diisopropyl ether	5.13	45	1596082	74.281	ug/l	96
23) Vinyl Acetate	5.07	43	5106274	386.297	ug/l	100
24) 1,1-Dichloroethane	4.98	63	978506	71.574	ug/l	97
25) 2-Butanone	6.09	43	728003	405.196	ug/l	99
26) 2,2-Dichloropropane	6.03	77	1100704	73.700	ug/l	91
27) cis-1,2-Dichloroethene	6.05	96	556657	71.086	ug/l	95
28) Bromochloromethane	6.45	49	421105	80.805	ug/l	98
29) Tetrahydrofuran	6.47	42	337818	403.107	ug/l	96
30) Chloroform	6.68	83	1237678	72.320	ug/l	99
31) Cyclohexane	6.96	56	616052	70.092	ug/l #	96
32) 1,1,1-Trichloroethane	6.88	97	1287325	74.095	ug/l	98
36) 1,1-Dichloropropene	7.15	75	811670	71.643	ug/l	96
37) Ethyl Acetate	6.20	43	329547	72.587	ug/l	95
38) Carbon Tetrachloride	7.12	117	1296698m	76.826	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	675167	71.131	ug/l	99
40) Benzene	7.46	78	1619826	74.054	ug/l	98
41) Methacrylonitrile	6.47	41	459868	79.071	ug/l #	96
42) 1,2-Dichloroethane	7.59	62	928573	71.069	ug/l	99
43) Isopropyl Acetate	9.26	43	494053	80.059	ug/l	94
44) Trichloroethene	8.55	130	670800	74.322	ug/l	98
45) 1,2-Dichloropropane	8.95	63	389806	71.673	ug/l #	89
46) Dibromomethane	9.07	93	370680	76.838	ug/l	87
47) Bromodichloromethane	9.38	83	965586	74.677	ug/l	98
48) Methyl methacrylate	9.13	41	339665	81.561	ug/l	99
49) 1,4-Dioxane	9.09	88	56402	1690.271	ug/l #	87
51) 4-Methyl-2-Pentanone	10.31	43	1613449	395.959	ug/l	100
52) Toluene	10.52	92	1075903	72.896	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	819561	75.650	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	846988	77.244	ug/l	96
55) 1,1,2-Trichloroethane	11.21	97	388837	77.236	ug/l	98
56) Ethyl methacrylate	11.06	69	437191	80.351	ug/l	93
57) 1,3-Dichloropropane	11.42	76	614558	79.283	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	1046586	365.949	ug/l	97
59) 2-Hexanone	11.54	43	1212043	394.447	ug/l	98
60) Dibromochloromethane	11.70	129	787136	80.020	ug/l	99
61) 1,2-Dibromoethane	11.82	107	480939	78.277	ug/l	87
64) Tetrachloroethene	11.26	164	596489	78.037	ug/l	95
65) Chlorobenzene	12.41	112	1360021	77.268	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	630852	74.303	ug/l	95
67) Ethyl Benzene	12.53	91	2309879	72.092	ug/l	96
68) m/p-Xylenes	12.68	106	1747987	157.245	ug/l	94
69) o-Xylene	13.06	106	812088	76.197	ug/l	94
70) Styrene	13.09	104	1337676	74.441	ug/l	96
71) Bromoform	13.24	173	481223	82.961	ug/l	98
73) Isopropylbenzene	13.41	105	2533306	71.405	ug/l	97
74) N-amyl acetate	13.27	43	701327	76.432	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	433277	73.230	ug/l	98
76) 1,2,3-Trichloropropane	13.75	75	506594	75.329	ug/l	96
77) Bromobenzene	13.68	156	730736	74.513	ug/l	91
78) n-propylbenzene	13.79	91	2900147	69.629	ug/l	98
79) 2-Chlorotoluene	13.85	91	1762268	70.829	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	2108062	67.437	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	138784	81.490	ug/l	97
82) 4-Chlorotoluene	13.95	91	2068382	69.659	ug/l	89
83) tert-Butylbenzene	14.20	119	2453560	72.421	ug/l	94
84) 1,2,4-Trimethylbenzene	14.25	105	2224292	71.061	ug/l	95
85) sec-Butylbenzene	14.38	105	2552906	72.737	ug/l	100
86) p-Isopropyltoluene	14.50	119	2462524	73.055	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1223360	72.370	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	1268122	74.985	ug/l	95
89) n-Butylbenzene	14.81	91	2209721	71.755	ug/l	98
90) Hexachloroethane	15.02	117	622909	70.767	ug/l	89
91) 1,2-Dichlorobenzene	14.82	146	1065520	70.215	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	95431	78.651	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	858814	76.691	ug/l	99
94) Hexachlorobutadiene	16.05	225	661073	78.748	ug/l	97
95) Naphthalene	16.13	128	1144111	72.011	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	673157	79.592	ug/l	97

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

