

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061919\
 Data File : VD062779.D
 Acq On : 19 Jun 2019 15:12
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 20 01:37:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	880133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1208903	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1020726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	516592	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	186440	19.47	ug/l	0.00
Spiked Amount			Recovery	=	38.94%	
35) Dibromofluoromethane	6.93	113	194959	19.13	ug/l	0.00
Spiked Amount			Recovery	=	38.26%	
50) Toluene-d8	10.41	98	404722	18.24	ug/l	0.00
Spiked Amount			Recovery	=	36.48%	
62) 4-Bromofluorobenzene	13.56	95	197906	19.62	ug/l	0.00
Spiked Amount			Recovery	=	39.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	236391	20.735	ug/l	92
3) Chloromethane	1.74	50	178202	20.784	ug/l	91
4) Vinyl Chloride	1.84	62	166446	19.580	ug/l	97
5) Bromomethane	2.14	94	69368	17.425	ug/l	95
6) Chloroethane	2.25	64	65887	17.119	ug/l	95
7) Trichlorofluoromethane	2.52	101	326414	18.973	ug/l	98
8) Diethyl Ether	2.86	74	38862	17.779	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	177020	18.994	ug/l	96
10) Methyl Iodide	3.29	142	224239	18.239	ug/l #	97
11) Tert butyl alcohol	4.09	59	41600	95.376	ug/l	98
12) 1,1-Dichloroethene	3.12	96	134735	19.271	ug/l	91
13) Acrolein	3.03	56	39870	89.544	ug/l #	81
14) Allyl chloride	3.61	41	181893	17.626	ug/l	99
15) Acrylonitrile	4.20	53	90816	88.621	ug/l	88
16) Acetone	3.23	43	177128	82.655	ug/l #	93
17) Carbon Disulfide	3.36	76	428615	19.208	ug/l	97
18) Methyl Acetate	3.65	43	50498	17.469	ug/l #	89
19) Methyl tert-butyl Ether	4.23	73	274072	18.108	ug/l	95
20) Methylene Chloride	3.81	84	131717	18.035	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	137004	18.404	ug/l	97
22) Diisopropyl ether	5.13	45	383980	18.277	ug/l	99
23) Vinyl Acetate	5.06	43	1227149	93.162	ug/l	100
24) 1,1-Dichloroethane	4.99	63	245633	17.958	ug/l	97
25) 2-Butanone	6.08	43	164529	91.869	ug/l	94
26) 2,2-Dichloropropane	6.02	77	265136	18.287	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	142011	18.039	ug/l	90
28) Bromochloromethane	6.43	49	101441	21.056	ug/l	81
29) Tetrahydrofuran	6.46	42	76004	89.694	ug/l	96
30) Chloroform	6.67	83	306715	18.437	ug/l	98
31) Cyclohexane	6.95	56	163963	18.234	ug/l	88
32) 1,1,1-Trichloroethane	6.87	97	327003	18.873	ug/l	91
36) 1,1-Dichloropropene	7.14	75	210721	18.413	ug/l	98
37) Ethyl Acetate	6.19	43	87559	16.707	ug/l #	89
38) Carbon Tetrachloride	7.11	117	308692	17.613	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	185655	18.430	ug/l	97
40) Benzene	7.46	78	416371	18.125	ug/l	99
41) Methacrylonitrile	6.45	41	105181	17.428	ug/l #	88
42) 1,2-Dichloroethane	7.59	62	228082	18.201	ug/l	99
43) Isopropyl Acetate	9.24	43	104250	17.376	ug/l #	98
44) Trichloroethene	8.54	130	160373	17.808	ug/l	94
45) 1,2-Dichloropropane	8.94	63	95374	16.697	ug/l	94
46) Dibromomethane	9.06	93	86013	17.530	ug/l	96
47) Bromodichloromethane	9.38	83	242736	19.048	ug/l	95
48) Methyl methacrylate	9.12	41	83642	19.618	ug/l	93
49) 1,4-Dioxane	9.09	88	16520	465.728	ug/l	99
51) 4-Methyl-2-Pentanone	10.30	43	386269	90.807	ug/l	97
52) Toluene	10.51	92	267423	17.318	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	190797	18.293	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	204299	18.021	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	100315	18.909	ug/l	90
56) Ethyl methacrylate	11.05	69	100046	17.646	ug/l	98
57) 1,3-Dichloropropane	11.42	76	141799	17.456	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.86	63	277704	95.410	ug/l	95
59) 2-Hexanone	11.53	43	274821	90.716	ug/l	95
60) Dibromochloromethane	11.69	129	183344	18.554	ug/l	100
61) 1,2-Dibromoethane	11.81	107	115363	18.412	ug/l	95
64) Tetrachloroethene	11.26	164	155480	18.508	ug/l	90
65) Chlorobenzene	12.40	112	351880	18.575	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	162485	18.341	ug/l	94
67) Ethyl Benzene	12.53	91	636947	18.728	ug/l	98
68) m/p-Xylenes	12.67	106	428988	36.215	ug/l	99
69) o-Xylene	13.05	106	189566	17.506	ug/l	82
70) Styrene	13.08	104	347625	18.276	ug/l	95
71) Bromoform	13.24	173	118076	19.453	ug/l	96
73) Isopropylbenzene	13.40	105	679862	20.525	ug/l	96
74) N-amyl acetate	13.27	43	157441	19.573	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	110513	20.477	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	115516	19.370	ug/l	97
77) Bromobenzene	13.67	156	170915	19.184	ug/l	87
78) n-propylbenzene	13.78	91	780552	20.247	ug/l	98
79) 2-Chlorotoluene	13.85	91	444415	20.190	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	574428	20.647	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	31775	20.330	ug/l	89
82) 4-Chlorotoluene	13.95	91	552675	20.837	ug/l	90
83) tert-Butylbenzene	14.19	119	631791	20.373	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	566337	19.860	ug/l	96
85) sec-Butylbenzene	14.37	105	665841	19.755	ug/l	94
86) p-Isopropyltoluene	14.50	119	614886	19.941	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	319943	20.034	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	308006	19.202	ug/l	96
89) n-Butylbenzene	14.80	91	583344	20.212	ug/l	97
90) Hexachloroethane	15.01	117	169380	20.430	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	273448	20.013	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	21853	20.746	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	211020	19.770	ug/l	95
94) Hexachlorobutadiene	16.04	225	165981	20.355	ug/l	94
95) Naphthalene	16.12	128	308081	20.593	ug/l	96
96) 1,2,3-Trichlorobenzene	16.27	180	175620	21.415	ug/l	93

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

