

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061970.D
 Acq On : 23 Apr 2019 14:24
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 23 14:48:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 12:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	693104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1119221	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	880570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	398873	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	247719	38.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	76.08%		
35) Dibromofluoromethane	6.93	113	377092	43.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.66%		
50) Toluene-d8	10.41	98	867036	45.14	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.28%		
62) 4-Bromofluorobenzene	13.55	95	344904	41.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	82.00%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	317174	47.433	ug/l	99
3) Chloromethane	1.74	50	243490	46.190	ug/l	98
4) Vinyl Chloride	1.85	62	228095	48.268	ug/l	98
5) Bromomethane	2.15	94	66685	45.770	ug/l	96
6) Chloroethane	2.26	64	88399	49.118	ug/l	98
7) Trichlorofluoromethane	2.53	101	346121	45.228	ug/l	98
8) Diethyl Ether	2.86	74	90824	45.267	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	318129	46.728	ug/l	98
10) Methyl Iodide	3.31	142	473095	47.021	ug/l	99
11) Tert butyl alcohol	4.06	59	72986	210.392	ug/l	98
12) 1,1-Dichloroethene	3.13	96	273716	49.632	ug/l	96
13) Acrolein	3.03	56	67222	265.450	ug/l	95
14) Allyl chloride	3.62	41	363877	45.161	ug/l	98
15) Acrylonitrile	4.19	53	226188	209.536	ug/l	99
16) Acetone	3.22	43	321554	266.414	ug/l	97
17) Carbon Disulfide	3.38	76	790461	48.314	ug/l	100
18) Methyl Acetate	3.63	43	106363	34.896	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	532854	41.872	ug/l	98
20) Methylene Chloride	3.81	84	306174	39.472	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	318981	47.452	ug/l	97
22) Diisopropyl ether	5.12	45	852235	42.814	ug/l	99
23) Vinyl Acetate	5.06	43	2280661	215.145	ug/l	100
24) 1,1-Dichloroethane	4.98	63	507072	43.282	ug/l	99
25) 2-Butanone	6.06	43	370046	220.061	ug/l	97
26) 2,2-Dichloropropane	6.02	77	441763	45.678	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	339393	42.784	ug/l	97
28) Bromochloromethane	6.44	49	195505	42.343	ug/l	92
29) Tetrahydrofuran	6.46	42	192934	220.377	ug/l	99
30) Chloroform	6.66	83	623850	45.378	ug/l	99
31) Cyclohexane	6.96	56	419519	50.432	ug/l	100
32) 1,1,1-Trichloroethane	6.87	97	562851	46.825	ug/l	98
36) 1,1-Dichloropropene	7.15	75	439946	49.067	ug/l	97
37) Ethyl Acetate	6.18	43	167475	40.456	ug/l	96
38) Carbon Tetrachloride	7.12	117	594438	51.927	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	428034	48.394	ug/l	98
40) Benzene	7.46	78	1066237	47.314	ug/l	100
41) Methacrylonitrile	6.44	41	225502	46.023	ug/l #	96
42) 1,2-Dichloroethane	7.58	62	348572	42.132	ug/l	100
43) Isopropyl Acetate	9.24	43	257151	42.636	ug/l	97
44) Trichloroethene	8.54	130	417342	49.850	ug/l	100
45) 1,2-Dichloropropane	8.95	63	267634	46.575	ug/l	96
46) Dibromomethane	9.07	93	194521	44.620	ug/l	97
47) Bromodichloromethane	9.38	83	444512	44.497	ug/l	98
48) Methyl methacrylate	9.12	41	142260	41.341	ug/l	95
49) 1,4-Dioxane	9.09	88	34566	972.107	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	798226	207.160	ug/l	99
52) Toluene	10.51	92	629026	43.384	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	399260	45.017	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	460848	44.727	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	222132	42.573	ug/l	94
56) Ethyl methacrylate	11.04	69	243307	43.900	ug/l	98
57) 1,3-Dichloropropane	11.41	76	331151	42.596	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	532743	200.340	ug/l	97
59) 2-Hexanone	11.54	43	601354	221.840	ug/l	97
60) Dibromochloromethane	11.68	129	369339	43.973	ug/l	97
61) 1,2-Dibromoethane	11.81	107	246310	39.398	ug/l	99
64) Tetrachloroethene	11.26	164	305900	47.707	ug/l	99
65) Chlorobenzene	12.40	112	795414	47.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	345155	49.476	ug/l	97
67) Ethyl Benzene	12.52	91	1285671	50.104	ug/l	98
68) m/p-Xylenes	12.67	106	908789	92.592	ug/l	99
69) o-Xylene	13.05	106	417673	44.714	ug/l	100
70) Styrene	13.07	104	738083	45.662	ug/l	98
71) Bromoform	13.24	173	194688	45.211	ug/l #	98
73) Isopropylbenzene	13.41	105	1264054	49.697	ug/l	98
74) N-amyl acetate	13.27	43	329496	47.627	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	255708	46.639	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	253022	47.771	ug/l	96
77) Bromobenzene	13.67	156	362462	48.400	ug/l	97
78) n-propylbenzene	13.78	91	1407159	46.604	ug/l	97
79) 2-Chlorotoluene	13.84	91	873821	48.427	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	991261	46.558	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	72826	46.504	ug/l	96
82) 4-Chlorotoluene	13.95	91	966897	47.557	ug/l	94
83) tert-Butylbenzene	14.19	119	1217612	50.381	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1060469	50.789	ug/l	97
85) sec-Butylbenzene	14.37	105	1287943	49.511	ug/l	97
86) p-Isopropyltoluene	14.49	119	1226623	51.503	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	640647	47.306	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	618513	48.440	ug/l	97
89) n-Butylbenzene	14.80	91	1029348	47.497	ug/l	95
90) Hexachloroethane	15.01	117	326932	49.151	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	517481	44.566	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	34472	47.178	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	307946	52.890	ug/l	96
94) Hexachlorobutadiene	16.05	225	236270	55.743	ug/l	99
95) Naphthalene	16.12	128	469076	50.175	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	181994	56.191	ug/l	98

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

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