

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063253.D
 Acq On : 30 Jul 2019 20:56
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 31 01:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1046720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1407531	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1138645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	587397	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	557295	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
35) Dibromofluoromethane	6.91	113	599423	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	10.40	98	1340859	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	13.55	95	580572	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	548175	42.844	ug/l	97
3) Chloromethane	1.74	50	469663	47.246	ug/l #	89
4) Vinyl Chloride	1.84	62	452873	44.007	ug/l	97
5) Bromomethane	2.14	94	247893	47.762	ug/l	91
6) Chloroethane	2.26	64	227425	47.866	ug/l #	89
7) Trichlorofluoromethane	2.53	101	912477	45.705	ug/l	99
8) Diethyl Ether	2.86	74	123542	44.216	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	549452	49.684	ug/l	98
10) Methyl Iodide	3.30	142	752485	47.101	ug/l	94
11) Tert butyl alcohol	4.07	59	102314	200.736	ug/l #	85
12) 1,1-Dichloroethene	3.12	96	409564	50.447	ug/l	81
13) Acrolein	3.03	56	94045	191.720	ug/l	97
14) Allyl chloride	3.61	41	570884	44.140	ug/l	94
15) Acrylonitrile	4.19	53	292476	221.334	ug/l	93
16) Acetone	3.22	43	466871	206.313	ug/l	99
17) Carbon Disulfide	3.37	76	1238938	45.592	ug/l	98
18) Methyl Acetate	3.63	43	185692	42.720	ug/l	92
19) Methyl tert-butyl Ether	4.23	73	808807	44.103	ug/l	96
20) Methylene Chloride	3.81	84	404457	44.217	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	439901	48.290	ug/l	88
22) Diisopropyl ether	5.12	45	1200839	46.473	ug/l	98
23) Vinyl Acetate	5.05	43	3731559	234.930	ug/l	100
24) 1,1-Dichloroethane	4.97	63	798664	48.389	ug/l	96
25) 2-Butanone	6.06	43	492572	216.892	ug/l	96
26) 2,2-Dichloropropane	6.01	77	760385	44.704	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	468928	48.013	ug/l	92
28) Bromochloromethane	6.43	49	294964	44.854	ug/l #	99
29) Tetrahydrofuran	6.46	42	228692	212.693	ug/l	98
30) Chloroform	6.65	83	992669	48.463	ug/l	98
31) Cyclohexane	6.95	56	476040	46.014	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	988572	49.896	ug/l	99
36) 1,1-Dichloropropene	7.14	75	596387	46.428	ug/l	97
37) Ethyl Acetate	6.18	43	241765	41.893	ug/l	99
38) Carbon Tetrachloride	7.11	117	1051472	54.372	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	534929	49.982	ug/l	94
40) Benzene	7.45	78	1355606	50.354	ug/l	96
41) Methacrylonitrile	6.44	41	317031	45.925	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	672050	47.102	ug/l	100
43) Isopropyl Acetate	9.23	43	336786	45.686	ug/l #	97
44) Trichloroethene	8.53	130	521854	47.837	ug/l	99
45) 1,2-Dichloropropane	8.94	63	307649	44.959	ug/l	99
46) Dibromomethane	9.06	93	275225	48.373	ug/l	95
47) Bromodichloromethane	9.37	83	728908	50.257	ug/l #	98
48) Methyl methacrylate	9.11	41	231538	48.428	ug/l	90
49) 1,4-Dioxane	9.09	88	41892	1034.486	ug/l #	72
51) 4-Methyl-2-Pentanone	10.30	43	1186757	236.715	ug/l	98
52) Toluene	10.50	92	940024	52.498	ug/l	92
53) t-1,3-Dichloropropene	10.91	75	571381	45.695	ug/l	94
54) cis-1,3-Dichloropropene	10.03	75	629156	47.876	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	273308	45.195	ug/l	96
56) Ethyl methacrylate	11.03	69	293684	44.350	ug/l	96
57) 1,3-Dichloropropane	11.40	76	458116	48.080	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	768727	223.097	ug/l	97
59) 2-Hexanone	11.53	43	816993	226.133	ug/l	98
60) Dibromochloromethane	11.68	129	547480	47.955	ug/l	97
61) 1,2-Dibromoethane	11.80	107	359754	48.211	ug/l	100
64) Tetrachloroethene	11.25	164	443123	48.850	ug/l	98
65) Chlorobenzene	12.39	112	1104413	50.427	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	473013	49.031	ug/l	99
67) Ethyl Benzene	12.52	91	1818481	48.877	ug/l	99
68) m/p-Xylenes	12.67	106	1390583	101.916	ug/l	97
69) o-Xylene	13.04	106	687928	54.904	ug/l	100
70) Styrene	13.07	104	1148977	51.708	ug/l	98
71) Bromoform	13.23	173	360303	51.357	ug/l	96
73) Isopropylbenzene	13.40	105	2015435	54.668	ug/l	100
74) N-amyl acetate	13.26	43	486331	49.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	337964	53.968	ug/l	92
76) 1,2,3-Trichloropropane	13.73	75	356955	50.593	ug/l	99
77) Bromobenzene	13.66	156	553132	52.668	ug/l	97
78) n-propylbenzene	13.77	91	2281905	52.012	ug/l	100
79) 2-Chlorotoluene	13.84	91	1300222	51.147	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	1543805	48.551	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	92992	47.466	ug/l	96
82) 4-Chlorotoluene	13.94	91	1603819	53.608	ug/l	87
83) tert-Butylbenzene	14.18	119	1876608	51.688	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	1598778	48.611	ug/l	98
85) sec-Butylbenzene	14.36	105	1989953	52.022	ug/l	100
86) p-Isopropyltoluene	14.49	119	1906302	52.214	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	930273	50.018	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	877663	46.666	ug/l	96
89) n-Butylbenzene	14.79	91	1730490	54.879	ug/l	98
90) Hexachloroethane	15.00	117	463794	48.758	ug/l	95
91) 1,2-Dichlorobenzene	14.80	146	869432	53.653	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	55828	43.766	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	646585	50.297	ug/l	95
94) Hexachlorobutadiene	16.04	225	462533	49.650	ug/l	99
95) Naphthalene	16.11	128	863350	47.516	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	480049	47.270	ug/l	99

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

