

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063980.D
 Acq On : 16 Oct 2019 11:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:49:46 AM

Quant Time: Oct 16 13:01:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	195047	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	301052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	306423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169029	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	88593	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
35) Dibromofluoromethane	7.92	113	90613	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.34	98	390874	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.64	95	131787	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	55587	40.187	ug/l	92
3) Chloromethane	2.21	50	187915	50.321	ug/l	97
4) Vinyl Chloride	2.35	62	218683	48.916	ug/l	93
5) Bromomethane	2.77	94	130381	45.364	ug/l	96
6) Chloroethane	2.93	64	138223	46.751	ug/l #	89
7) Trichlorofluoromethane	3.27	101	304362	51.492	ug/l	92
8) Diethyl Ether	3.70	74	41884	44.147	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	71228	43.534	ug/l	94
10) Methyl Iodide	4.30	142	94563	41.944	ug/l	100
11) Tert butyl alcohol	5.24	59	25470	191.181	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	68667	42.007	ug/l	90
13) Acrolein	3.92	56	32086	189.185	ug/l	94
14) Allyl chloride	4.71	41	123087	45.290	ug/l	99
15) Acrylonitrile	5.43	53	98381	235.204	ug/l #	89
16) Acetone	4.16	43	110267	223.034	ug/l	93
17) Carbon Disulfide	4.40	76	239793	40.355	ug/l	97
18) Methyl Acetate	4.73	43	46628	48.220	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	183689	43.395	ug/l	100
20) Methylene Chloride	4.97	84	100643	45.614	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	97994	48.156	ug/l	99
22) Diisopropyl ether	6.37	45	268548	48.383	ug/l	98
23) Vinyl Acetate	6.31	43	787953	238.637	ug/l	100
24) 1,1-Dichloroethane	6.27	63	162832	47.628	ug/l	97
25) 2-Butanone	7.22	43	140376	239.586	ug/l	95
26) 2,2-Dichloropropane	7.21	77	144787	46.816	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	113897	49.449	ug/l	94
28) Bromochloromethane	7.55	49	73545	56.336	ug/l	97
29) Tetrahydrofuran	7.57	42	74771	218.638	ug/l	98
30) Chloroform	7.71	83	177211	47.724	ug/l	94
31) Cyclohexane	7.98	56	153874	54.822	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	160568	50.409	ug/l	97
36) 1,1-Dichloropropene	8.11	75	140404	51.008	ug/l	98
37) Ethyl Acetate	7.30	43	49742	44.639	ug/l	97
38) Carbon Tetrachloride	8.10	117	145914	52.457	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177468	52.436	ug/l	94
40) Benzene	8.36	78	406404	51.521	ug/l	98
41) Methacrylonitrile	7.54	41	35896	56.247	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	110862	48.586	ug/l	100
43) Isopropyl Acetate	8.46	43	103635	44.894	ug/l	99
44) Trichloroethene	9.11	130	116513	51.223	ug/l	98
45) 1,2-Dichloropropane	9.39	63	96151	49.800	ug/l	91
46) Dibromomethane	9.48	93	52881	48.092	ug/l	95
47) Bromodichloromethane	9.67	83	142433	50.312	ug/l	100
48) Methyl methacrylate	9.46	41	50482	45.642	ug/l	99
49) 1,4-Dioxane	9.47	88	14067	937.227	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	277381	231.692	ug/l	98
52) Toluene	10.40	92	283795	52.409	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	137492	49.770	ug/l	91
54) cis-1,3-Dichloropropene	10.09	75	160234	50.388	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	80406	51.790	ug/l	95
56) Ethyl methacrylate	10.66	69	95032	48.336	ug/l	96
57) 1,3-Dichloropropane	10.95	76	133048	50.087	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	220118	260.464	ug/l	99
59) 2-Hexanone	10.99	43	210121	242.629	ug/l	98
60) Dibromochloromethane	11.14	129	104547	51.723	ug/l	97
61) 1,2-Dibromoethane	11.25	107	78721	52.301	ug/l	99
64) Tetrachloroethene	10.88	164	104946	50.168	ug/l	94
65) Chlorobenzene	11.67	112	315555	51.278	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	116867	51.539	ug/l	94
67) Ethyl Benzene	11.75	91	575423	51.856	ug/l	99
68) m/p-Xylenes	11.86	106	447287	104.433	ug/l	99
69) o-Xylene	12.18	106	214462	52.293	ug/l	94
70) Styrene	12.20	104	365506	52.646	ug/l	99
71) Bromoform	12.36	173	61875	50.846	ug/l #	99
73) Isopropylbenzene	12.48	105	578125	50.878	ug/l	99
74) N-amyl acetate	12.29	43	106199	43.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	92122	46.590	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	60998m	53.880	ug/l	
77) Bromobenzene	12.76	156	141983	50.153	ug/l	94
78) n-propylbenzene	12.83	91	689881	51.724	ug/l	99
79) 2-Chlorotoluene	12.91	91	361257	49.121	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	484098	51.066	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	29488	46.093	ug/l	95
82) 4-Chlorotoluene	13.01	91	387335	49.648	ug/l	100
83) tert-Butylbenzene	13.23	119	423947	50.249	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	494853	50.634	ug/l	100
85) sec-Butylbenzene	13.40	105	606548	53.235	ug/l	99
86) p-Isopropyltoluene	13.52	119	576233	53.447	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	284742	50.904	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	284593	51.571	ug/l	97
89) n-Butylbenzene	13.85	91	525436	52.357	ug/l	99
90) Hexachloroethane	14.11	117	104595	53.940	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	247433	51.328	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14875	48.337	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	186920	50.252	ug/l	99
94) Hexachlorobutadiene	15.27	225	105193	51.249	ug/l	94
95) Naphthalene	15.41	128	308091	49.281	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	159626	49.739	ug/l	99

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

