

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067649.D
 Acq On : 16 Nov 2020 19:02
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:58:00 PM

Quant Time: Nov 17 01:50:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	265509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	400974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	370502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	189760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	109000	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	7.92	113	114679	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
50) Toluene-d8	10.34	98	384547	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	
62) 4-Bromofluorobenzene	12.64	95	142026	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	97641	44.974	ug/l	97
3) Chloromethane	2.21	50	65636	39.698	ug/l	97
4) Vinyl Chloride	2.35	62	74260	40.285	ug/l	96
5) Bromomethane	2.77	94	66292	44.370	ug/l	95
6) Chloroethane	2.93	64	52661	46.337	ug/l	91
7) Trichlorofluoromethane	3.28	101	223372	46.800	ug/l	92
8) Diethyl Ether	3.71	74	51852	53.915	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.10	101	112088	46.524	ug/l	100
10) Methyl Iodide	4.30	142	130341	50.477	ug/l	98
11) Tert butyl alcohol	5.21	59	32413	330.483	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	106331	47.982	ug/l	96
13) Acrolein	3.93	56	24816	241.868	ug/l	99
14) Allyl chloride	4.72	41	112217	47.314	ug/l	94
15) Acrylonitrile	5.42	53	90333	254.093	ug/l	98
16) Acetone	4.16	43	82688	238.011	ug/l	97
17) Carbon Disulfide	4.41	76	295577	43.527	ug/l	100
18) Methyl Acetate	4.73	43	44730	62.306	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	237497	54.332	ug/l	94
20) Methylene Chloride	4.97	84	121600	49.550	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	125555	48.643	ug/l	99
22) Diisopropyl ether	6.37	45	232407	50.284	ug/l	97
23) Vinyl Acetate	6.31	43	620361	256.418	ug/l	98
24) 1,1-Dichloroethane	6.27	63	185899	49.165	ug/l	99
25) 2-Butanone	7.22	43	94668	255.019	ug/l	98
26) 2,2-Dichloropropane	7.21	77	197989	49.614	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	139673	52.134	ug/l	99
28) Bromochloromethane	7.55	49	66986	49.805	ug/l	98
29) Tetrahydrofuran	7.57	42	57405	258.160	ug/l	95
30) Chloroform	7.71	83	236624	52.456	ug/l	100
31) Cyclohexane	7.99	56	141319	41.970	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	232927	50.046	ug/l	100
36) 1,1-Dichloropropene	8.11	75	159470	46.462	ug/l	99
37) Ethyl Acetate	7.29	43	44438	49.870	ug/l	98
38) Carbon Tetrachloride	8.10	117	222183	49.823	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172082	42.598	ug/l	99
40) Benzene	8.36	78	460789	49.562	ug/l	98
41) Methacrylonitrile	7.54	41	28516m	53.537	ug/l	
42) 1,2-Dichloroethane	8.43	62	151276	52.663	ug/l	98
43) Isopropyl Acetate	8.46	43	87235	49.501	ug/l	98
44) Trichloroethene	9.11	130	147600	48.283	ug/l	96
45) 1,2-Dichloropropane	9.40	63	98213	48.859	ug/l	91
46) Dibromomethane	9.48	93	64480	50.450	ug/l	96
47) Bromodichloromethane	9.67	83	178950	51.513	ug/l	93
48) Methyl methacrylate	9.46	41	45023	49.481	ug/l	89
49) 1,4-Dioxane	9.46	88	14373	1107.762	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	219519	260.458	ug/l	98
52) Toluene	10.41	92	319113	51.245	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	159282	53.536	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	178546	50.510	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	89520	52.937	ug/l	95
56) Ethyl methacrylate	10.67	69	93055	53.287	ug/l	98
57) 1,3-Dichloropropane	10.95	76	138660	50.955	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	219433	269.455	ug/l	99
59) 2-Hexanone	10.99	43	153852	261.076	ug/l	99
60) Dibromochloromethane	11.14	129	131962	52.752	ug/l	99
61) 1,2-Dibromoethane	11.25	107	86630	51.042	ug/l	99
64) Tetrachloroethene	10.88	164	130212	47.455	ug/l	98
65) Chlorobenzene	11.67	112	349056	48.909	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	146231	51.986	ug/l	99
67) Ethyl Benzene	11.75	91	605526	49.582	ug/l	100
68) m/p-Xylenes	11.86	106	469226	98.759	ug/l	100
69) o-Xylene	12.18	106	217468	51.265	ug/l	99
70) Styrene	12.20	104	372295	50.366	ug/l	98
71) Bromoform	12.37	173	75889	52.899	ug/l #	98
73) Isopropylbenzene	12.48	105	580045	47.297	ug/l	99
74) N-amyl acetate	12.29	43	77817	48.222	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	82740	49.476	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	52561m	45.915	ug/l	
77) Bromobenzene	12.77	156	149319	49.577	ug/l	97
78) n-propylbenzene	12.83	91	642651	45.813	ug/l	99
79) 2-Chlorotoluene	12.91	91	391488	49.130	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	504623	48.168	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	27182	48.209	ug/l	96
82) 4-Chlorotoluene	13.01	91	418152	48.929	ug/l	100
83) tert-Butylbenzene	13.23	119	412190	46.424	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	498188	47.773	ug/l	98
85) sec-Butylbenzene	13.41	105	518101	43.226	ug/l	100
86) p-Isopropyltoluene	13.52	119	507193	43.820	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	275336	47.909	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	276800	47.566	ug/l	100
89) n-Butylbenzene	13.85	91	412304	41.240	ug/l	99
90) Hexachloroethane	14.12	117	93851	43.057	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	238934	48.038	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15255	51.522	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	154908	45.887	ug/l	98
94) Hexachlorobutadiene	15.27	225	84504	37.402	ug/l	99
95) Naphthalene	15.41	128	268453	51.529	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	130999	45.315	ug/l	98

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

