

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031120\
 Data File : VD065473.D
 Acq On : 11 Mar 2020 10:56
 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
 3/13/2020 9:49:33 AM

Quant Time: Mar 11 17:16:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	490078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	682395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	620387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193399	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.91	113	204475	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	10.34	98	804949	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.64	95	254075	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	185285	43.991	ug/l	99
3) Chloromethane	2.21	50	230367	45.303	ug/l	99
4) Vinyl Chloride	2.35	62	236295	47.112	ug/l	97
5) Bromomethane	2.77	94	146251	52.255	ug/l	98
6) Chloroethane	2.93	64	149104	48.539	ug/l	96
7) Trichlorofluoromethane	3.27	101	362969	49.113	ug/l	99
8) Diethyl Ether	3.70	74	106308	48.370	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	235618	49.502	ug/l	100
10) Methyl Iodide	4.29	142	251713	50.903	ug/l	99
11) Tert butyl alcohol	5.24	59	52640m	218.303	ug/l	
12) 1,1-Dichloroethene	4.06	96	219965	48.261	ug/l	95
13) Acrolein	3.93	56	98991	238.037	ug/l	99
14) Allyl chloride	4.71	41	333776	47.672	ug/l	100
15) Acrylonitrile	5.43	53	237452	248.346	ug/l	98
16) Acetone	4.16	43	244687	287.801	ug/l	99
17) Carbon Disulfide	4.40	76	720821	47.490	ug/l	100
18) Methyl Acetate	4.72	43	104071	48.256	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	441945	50.422	ug/l	99
20) Methylene Chloride	4.96	84	245930	53.509	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	256487	50.588	ug/l	99
22) Diisopropyl ether	6.37	45	682362	52.427	ug/l	98
23) Vinyl Acetate	6.31	43	1928255	266.818	ug/l	100
24) 1,1-Dichloroethane	6.27	63	412085	49.361	ug/l	98
25) 2-Butanone	7.22	43	301009	259.441	ug/l	97
26) 2,2-Dichloropropane	7.21	77	370943	50.846	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	261721	50.502	ug/l	99
28) Bromochloromethane	7.55	49	167964	50.288	ug/l	100
29) Tetrahydrofuran	7.57	42	186286	251.422	ug/l	98
30) Chloroform	7.71	83	423510	50.754	ug/l	97
31) Cyclohexane	7.99	56	391002	46.839	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	389892	50.562	ug/l	100
36) 1,1-Dichloropropene	8.11	75	349211	53.386	ug/l	99
37) Ethyl Acetate	7.30	43	136265	53.897	ug/l	97
38) Carbon Tetrachloride	8.10	117	361938	53.359	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	423720	53.633	ug/l	96
40) Benzene	8.35	78	986468	53.938	ug/l	100
41) Methacrylonitrile	7.53	41	79288	59.299	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	255584	53.517	ug/l	99
43) Isopropyl Acetate	8.46	43	243587	52.179	ug/l	99
44) Trichloroethene	9.11	130	270866	52.444	ug/l	99
45) 1,2-Dichloropropane	9.39	63	237754	53.667	ug/l	96
46) Dibromomethane	9.48	93	124933	54.367	ug/l	99
47) Bromodichloromethane	9.67	83	323236	54.069	ug/l	99
48) Methyl methacrylate	9.46	41	126825	57.755	ug/l	94
49) 1,4-Dioxane	9.46	88	29079	1106.287	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	648823	276.191	ug/l	99
52) Toluene	10.41	92	629614	54.647	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	302236	54.099	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	366065	54.133	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	176232	54.147	ug/l	97
56) Ethyl methacrylate	10.67	69	204400	55.708	ug/l	99
57) 1,3-Dichloropropane	10.95	76	297367	54.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	246222	215.018	ug/l	100
59) 2-Hexanone	10.99	43	477926	293.891	ug/l	100
60) Dibromochloromethane	11.14	129	230909	55.348	ug/l	99
61) 1,2-Dibromoethane	11.25	107	166846	53.744	ug/l	99
64) Tetrachloroethene	10.88	164	238581	53.669	ug/l	98
65) Chlorobenzene	11.67	112	654816	53.338	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	246865	55.212	ug/l	97
67) Ethyl Benzene	11.75	91	1175201	55.400	ug/l	97
68) m/p-Xylenes	11.86	106	915275	111.900	ug/l	100
69) o-Xylene	12.18	106	400025	55.598	ug/l	98
70) Styrene	12.20	104	721778	57.000	ug/l	100
71) Bromoform	12.37	173	138142	55.004	ug/l #	100
73) Isopropylbenzene	12.48	105	1122194	55.073	ug/l	100
74) N-amyl acetate	12.30	43	220840	52.939	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	186779	52.148	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	145853m	59.665	ug/l	
77) Bromobenzene	12.77	156	271846	53.697	ug/l	99
78) n-propylbenzene	12.83	91	1338280	55.354	ug/l	100
79) 2-Chlorotoluene	12.91	91	735573	53.984	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	923514	55.129	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	60729	52.426	ug/l	97
82) 4-Chlorotoluene	13.01	91	772102	53.924	ug/l	99
83) tert-Butylbenzene	13.23	119	786966	55.529	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	918103	55.600	ug/l	100
85) sec-Butylbenzene	13.41	105	1114775	55.106	ug/l	100
86) p-Isopropyltoluene	13.53	119	1023481	55.445	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	515521	52.965	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	508460	52.516	ug/l	99
89) n-Butylbenzene	13.85	91	948275	55.566	ug/l	99
90) Hexachloroethane	14.12	117	200544	52.754	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	441413	53.293	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27758	50.887	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	299900	53.421	ug/l	98
94) Hexachlorobutadiene	15.28	225	195816	53.086	ug/l	99
95) Naphthalene	15.41	128	489689	49.035	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	265287	54.686	ug/l	100

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

