

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112420\
 Data File : VD067759.D
 Acq On : 24 Nov 2020 10:29
 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
 11/25/2020 2:01:51 PM

Quant Time: Nov 25 02:14:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	292732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	399721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	358717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	182544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	133636	46.95	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.90%
35) Dibromofluoromethane	7.92	113	126049	49.55	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.10%
50) Toluene-d8	10.34	98	473217	50.88	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.76%
62) 4-Bromofluorobenzene	12.64	95	154925	48.74	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	121205	47.579	ug/l	96
3) Chloromethane	2.21	50	65780	46.382	ug/l	100
4) Vinyl Chloride	2.35	62	83971	47.251	ug/l	94
5) Bromomethane	2.77	94	70392	46.491	ug/l	94
6) Chloroethane	2.93	64	53667	45.311	ug/l	97
7) Trichlorofluoromethane	3.28	101	248552	45.833	ug/l	98
8) Diethyl Ether	3.70	74	46205	42.200	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	116583	44.894	ug/l	99
10) Methyl Iodide	4.30	142	129029	48.543	ug/l	99
11) Tert butyl alcohol	5.21	59	33406	217.989	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	103947	43.259	ug/l	94
13) Acrolein	3.92	56	24339	206.305	ug/l	91
14) Allyl chloride	4.72	41	104735	45.090	ug/l	98
15) Acrylonitrile	5.42	53	80273	210.500	ug/l	95
16) Acetone	4.15	43	96585	262.672	ug/l	97
17) Carbon Disulfide	4.41	76	311279	44.789	ug/l	99
18) Methyl Acetate	4.71	43	30779	41.607	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	222230	43.274	ug/l	97
20) Methylene Chloride	4.96	84	115890	40.228	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	123509	45.210	ug/l	98
22) Diisopropyl ether	6.37	45	202983	44.270	ug/l	95
23) Vinyl Acetate	6.31	43	597393	230.975	ug/l	95
24) 1,1-Dichloroethane	6.27	63	177138	45.568	ug/l	99
25) 2-Butanone	7.21	43	93063	225.544	ug/l	89
26) 2,2-Dichloropropane	7.21	77	206334	44.992	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	129317	44.410	ug/l	99
28) Bromochloromethane	7.55	49	59691	47.937	ug/l	99
29) Tetrahydrofuran	7.56	42	51672	220.258	ug/l	96
30) Chloroform	7.71	83	219762	43.232	ug/l	100
31) Cyclohexane	7.99	56	144075	41.835	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	235008	43.653	ug/l	98
36) 1,1-Dichloropropene	8.12	75	167248	48.760	ug/l	99
37) Ethyl Acetate	7.29	43	40421	43.826	ug/l	98
38) Carbon Tetrachloride	8.10	117	232174	46.696	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	196471	48.401	ug/l	96
40) Benzene	8.36	78	434843	46.159	ug/l	97
41) Methacrylonitrile	7.54	41	26896m	57.108	ug/l	
42) 1,2-Dichloroethane	8.43	62	145223	45.433	ug/l	99
43) Isopropyl Acetate	8.46	43	84402	45.824	ug/l	99
44) Trichloroethene	9.11	130	144703	46.346	ug/l	99
45) 1,2-Dichloropropane	9.39	63	87478	45.255	ug/l	94
46) Dibromomethane	9.48	93	60355	45.862	ug/l	97
47) Bromodichloromethane	9.67	83	168956	46.104	ug/l	93
48) Methyl methacrylate	9.46	41	40553	44.039	ug/l	98
49) 1,4-Dioxane	9.46	88	12807	897.988	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	200412	231.234	ug/l	99
52) Toluene	10.41	92	303229	47.448	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	147430	46.048	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	171598	47.359	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	77672	43.988	ug/l	96
56) Ethyl methacrylate	10.67	69	83745	45.809	ug/l	97
57) 1,3-Dichloropropane	10.95	76	129159	46.392	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	228443	267.438	ug/l	100
59) 2-Hexanone	10.98	43	152043	248.468	ug/l	97
60) Dibromochloromethane	11.14	129	121481	45.148	ug/l	99
61) 1,2-Dibromoethane	11.25	107	79670	45.792	ug/l	99
64) Tetrachloroethene	10.88	164	124575	44.744	ug/l #	81
65) Chlorobenzene	11.67	112	329713	46.766	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	137582	48.242	ug/l	96
67) Ethyl Benzene	11.75	91	579946	47.648	ug/l	99
68) m/p-Xylenes	11.86	106	456043	96.283	ug/l	100
69) o-Xylene	12.18	106	207522	48.121	ug/l	98
70) Styrene	12.20	104	355858	48.445	ug/l	97
71) Bromoform	12.37	173	70818	45.743	ug/l #	100
73) Isopropylbenzene	12.48	105	589737	49.101	ug/l	100
74) N-amyl acetate	12.29	43	70477	44.496	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	73495	45.595	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	65902m	51.800	ug/l	
77) Bromobenzene	12.76	156	140332	46.675	ug/l	98
78) n-propylbenzene	12.83	91	659260	49.337	ug/l	100
79) 2-Chlorotoluene	12.91	91	377544	47.722	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	508250	48.653	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	25855	47.532	ug/l	97
82) 4-Chlorotoluene	13.01	91	401285	47.603	ug/l	100
83) tert-Butylbenzene	13.23	119	448118	49.920	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	498807	47.799	ug/l	100
85) sec-Butylbenzene	13.40	105	567840	48.151	ug/l	99
86) p-Isopropyltoluene	13.52	119	554841	48.575	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	266556	45.810	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	263581	45.729	ug/l	98
89) n-Butylbenzene	13.84	91	471428	48.162	ug/l	100
90) Hexachloroethane	14.11	117	102888	47.318	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	230639	46.013	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14082	40.522	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	164095	46.235	ug/l	100
94) Hexachlorobutadiene	15.27	225	108745	47.955	ug/l	96
95) Naphthalene	15.40	128	262887	45.768	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	139506	46.146	ug/l	99

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

