

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022820\
 Data File : VD065351.D
 Acq On : 28 Feb 2020 09:55
 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
 3/2/2020 10:35:29 AM

Quant Time: Feb 28 15:40:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	490242	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	704095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	635628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	314437	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193606	43.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.80%	
35) Dibromofluoromethane	7.92	113	209771	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.34	98	827282	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.64	95	262446	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	200758	48.824	ug/l	100
3) Chloromethane	2.21	50	238030	45.481	ug/l	100
4) Vinyl Chloride	2.36	62	241356	45.351	ug/l	98
5) Bromomethane	2.77	94	141853	44.084	ug/l	99
6) Chloroethane	2.93	64	147208	45.315	ug/l	96
7) Trichlorofluoromethane	3.27	101	366173	48.059	ug/l	100
8) Diethyl Ether	3.71	74	104518	45.444	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	234960	48.832	ug/l	99
10) Methyl Iodide	4.30	142	250794	50.200	ug/l	99
11) Tert butyl alcohol	5.25	59	53780	204.067	ug/l	97
12) 1,1-Dichloroethene	4.06	96	218315	48.031	ug/l	100
13) Acrolein	3.93	56	63541	189.787	ug/l	99
14) Allyl chloride	4.71	41	347119	47.028	ug/l	98
15) Acrylonitrile	5.43	53	221879	217.902	ug/l	99
16) Acetone	4.17	43	264681	245.511	ug/l	98
17) Carbon Disulfide	4.41	76	703365	46.157	ug/l	98
18) Methyl Acetate	4.73	43	101048	41.674	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	434206	45.810	ug/l	97
20) Methylene Chloride	4.96	84	242031	50.473	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	249418	48.270	ug/l	99
22) Diisopropyl ether	6.37	45	686293	48.232	ug/l	99
23) Vinyl Acetate	6.31	43	1829851	233.267	ug/l	99
24) 1,1-Dichloroethane	6.26	63	421909	47.804	ug/l	98
25) 2-Butanone	7.22	43	307178	225.202	ug/l	99
26) 2,2-Dichloropropane	7.21	77	373089	48.722	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	264540	48.333	ug/l	98
28) Bromochloromethane	7.55	49	156162	47.693	ug/l	99
29) Tetrahydrofuran	7.57	42	172389	215.700	ug/l	98
30) Chloroform	7.71	83	423620	47.642	ug/l	97
31) Cyclohexane	7.99	56	404221	46.614	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	382465	48.075	ug/l	100
36) 1,1-Dichloropropene	8.11	75	346669	50.602	ug/l	99
37) Ethyl Acetate	7.30	43	122814	42.882	ug/l	98
38) Carbon Tetrachloride	8.10	117	357488	51.259	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	418158	51.918	ug/l	98
40) Benzene	8.35	78	975563	50.450	ug/l	100
41) Methacrylonitrile	7.53	41	62006	37.496	ug/l	88
42) 1,2-Dichloroethane	8.43	62	247272	46.514	ug/l	99
43) Isopropyl Acetate	8.46	43	229487	44.064	ug/l	98
44) Trichloroethene	9.11	130	268364	50.066	ug/l	96
45) 1,2-Dichloropropane	9.39	63	238813	49.666	ug/l	99
46) Dibromomethane	9.48	93	117860	47.639	ug/l	98
47) Bromodichloromethane	9.67	83	317811	48.745	ug/l	98
48) Methyl methacrylate	9.46	41	114773	47.677	ug/l	97
49) 1,4-Dioxane	9.47	88	25575	881.400	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	606054	229.111	ug/l	99
52) Toluene	10.41	92	623641	52.103	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	294664	48.759	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	362921	49.732	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	165062	47.402	ug/l	96
56) Ethyl methacrylate	10.67	69	194410	48.371	ug/l	97
57) 1,3-Dichloropropane	10.95	76	287628	48.532	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	298724	235.747	ug/l	99
59) 2-Hexanone	10.99	43	473707	250.166	ug/l	98
60) Dibromochloromethane	11.14	129	214822	48.200	ug/l	99
61) 1,2-Dibromoethane	11.25	107	159080	48.250	ug/l	98
64) Tetrachloroethene	10.88	164	228680	50.727	ug/l	97
65) Chlorobenzene	11.68	112	644779	50.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	243500	51.155	ug/l	97
67) Ethyl Benzene	11.75	91	1173883	52.547	ug/l	100
68) m/p-Xylenes	11.86	106	901405	105.464	ug/l	99
69) o-Xylene	12.19	106	403390	53.272	ug/l	98
70) Styrene	12.20	104	708039	52.665	ug/l	100
71) Bromoform	12.37	173	125960	47.688	ug/l #	99
73) Isopropylbenzene	12.48	105	1121451	53.871	ug/l	100
74) N-amyl acetate	12.30	43	204901	44.296	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	171155	45.556	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	123130m	46.024	ug/l	
77) Bromobenzene	12.77	156	261796	50.645	ug/l	98
78) n-propylbenzene	12.83	91	1333981	53.324	ug/l	99
79) 2-Chlorotoluene	12.91	91	722327	51.542	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	917284	53.500	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	55108	44.476	ug/l	95
82) 4-Chlorotoluene	13.01	91	761815	51.203	ug/l	100
83) tert-Butylbenzene	13.23	119	795325	55.345	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	910357	53.047	ug/l	99
85) sec-Butylbenzene	13.41	105	1114542	53.825	ug/l	99
86) p-Isopropyltoluene	13.53	119	1025070	54.133	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	504027	50.436	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	489225	49.602	ug/l	100
89) n-Butylbenzene	13.86	91	949022	54.387	ug/l	99
90) Hexachloroethane	14.13	117	195245	50.780	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	424241	49.442	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24833	42.891	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	287801	51.277	ug/l	99
94) Hexachlorobutadiene	15.28	225	187670	52.124	ug/l	99
95) Naphthalene	15.42	128	456116	49.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	248466	50.687	ug/l	99

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

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