

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012120\
 Data File : VD064913.D
 Acq On : 21 Jan 2020 17:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:33 AM

Quant Time: Jan 22 07:13:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	352343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	509409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	463164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	155744	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.92	113	163445	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	10.34	98	623855	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.64	95	199098	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	116526	42.555	ug/l	95
3) Chloromethane	2.21	50	166261	43.415	ug/l	99
4) Vinyl Chloride	2.35	62	208745	44.706	ug/l	98
5) Bromomethane	2.77	94	141831	41.776	ug/l	98
6) Chloroethane	2.93	64	142475	45.538	ug/l	97
7) Trichlorofluoromethane	3.27	101	356340	45.324	ug/l	99
8) Diethyl Ether	3.71	74	71466	45.776	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	170076	52.235	ug/l	98
10) Methyl Iodide	4.30	142	165691	47.375	ug/l	99
11) Tert butyl alcohol	5.25	59	39925	224.224	ug/l	97
12) 1,1-Dichloroethene	4.06	96	147129	47.463	ug/l	90
13) Acrolein	3.93	56	22817	91.948	ug/l	95
14) Allyl chloride	4.71	41	241672	50.004	ug/l	98
15) Acrylonitrile	5.43	53	141573	217.703	ug/l	98
16) Acetone	4.17	43	151868	230.266	ug/l	97
17) Carbon Disulfide	4.40	76	412856	41.190	ug/l	99
18) Methyl Acetate	4.73	43	72629	41.522	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	324442	47.121	ug/l	96
20) Methylene Chloride	4.96	84	180718	57.618	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	173845	49.244	ug/l	100
22) Diisopropyl ether	6.37	45	503113	52.190	ug/l	97
23) Vinyl Acetate	6.31	43	1300235	237.773	ug/l	99
24) 1,1-Dichloroethane	6.27	63	308392	53.289	ug/l	97
25) 2-Butanone	7.22	43	192515	225.423	ug/l	97
26) 2,2-Dichloropropane	7.21	77	289289	53.764	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	188925	49.587	ug/l	95
28) Bromochloromethane	7.55	49	115741	51.448	ug/l	97
29) Tetrahydrofuran	7.57	42	115964	218.350	ug/l	96
30) Chloroform	7.71	83	322458	53.108	ug/l	100
31) Cyclohexane	7.98	56	275614	47.577	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	304705	53.429	ug/l	100
36) 1,1-Dichloropropene	8.11	75	253370	51.676	ug/l	98
37) Ethyl Acetate	7.30	43	84923	44.089	ug/l	98
38) Carbon Tetrachloride	8.10	117	278866	53.340	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	294325	49.562	ug/l	99
40) Benzene	8.36	78	687702	51.379	ug/l	100
41) Methacrylonitrile	7.53	41	57010	51.013	ug/l	93
42) 1,2-Dichloroethane	8.43	62	192586	49.791	ug/l	99
43) Isopropyl Acetate	8.46	43	171416	44.711	ug/l	99
44) Trichloroethene	9.11	130	196441	49.959	ug/l	99
45) 1,2-Dichloropropane	9.39	63	165027	51.639	ug/l	99
46) Dibromomethane	9.48	93	84745	47.562	ug/l	97
47) Bromodichloromethane	9.67	83	245593	51.800	ug/l	91
48) Methyl methacrylate	9.46	41	82890	45.917	ug/l	97
49) 1,4-Dioxane	9.47	88	16935	824.290	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	426154	224.883	ug/l	99
52) Toluene	10.41	92	444166	50.580	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	217836	49.280	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	267588	51.339	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	115174	47.965	ug/l	96
56) Ethyl methacrylate	10.67	69	138967	46.340	ug/l	97
57) 1,3-Dichloropropane	10.95	76	200416	48.475	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	258291	226.070	ug/l	99
59) 2-Hexanone	10.99	43	291059	226.298	ug/l	100
60) Dibromochloromethane	11.14	129	162700	48.997	ug/l	100
61) 1,2-Dibromoethane	11.25	107	109098	46.064	ug/l	99
64) Tetrachloroethene	10.88	164	167322	47.089	ug/l	96
65) Chlorobenzene	11.67	112	475814	49.497	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	181406	50.058	ug/l	99
67) Ethyl Benzene	11.75	91	895544	51.326	ug/l	98
68) m/p-Xylenes	11.86	106	683330	101.466	ug/l	98
69) o-Xylene	12.18	106	312579	51.386	ug/l	100
70) Styrene	12.20	104	540450	50.616	ug/l	99
71) Bromoform	12.37	173	92876	44.941	ug/l #	99
73) Isopropylbenzene	12.48	105	857488	51.517	ug/l	100
74) N-amyl acetate	12.30	43	156432	43.966	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	118447	45.300	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	93941m	51.076	ug/l	
77) Bromobenzene	12.77	156	197078	48.187	ug/l	99
78) n-propylbenzene	12.83	91	1014209	52.230	ug/l	99
79) 2-Chlorotoluene	12.91	91	543589	50.959	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	700090	51.203	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	38114	43.341	ug/l	95
82) 4-Chlorotoluene	13.01	91	568108	50.045	ug/l	100
83) tert-Butylbenzene	13.23	119	631939	53.232	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	702667	51.601	ug/l	98
85) sec-Butylbenzene	13.41	105	869119	53.402	ug/l	100
86) p-Isopropyltoluene	13.53	119	815976	52.434	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	387419	49.691	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	381159	49.765	ug/l	99
89) n-Butylbenzene	13.85	91	749855	53.507	ug/l	99
90) Hexachloroethane	14.12	117	152530	51.311	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	325346	48.937	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19121	45.110	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	234756	47.957	ug/l	98
94) Hexachlorobutadiene	15.28	225	151264	49.106	ug/l	98
95) Naphthalene	15.41	128	343466	44.351	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	195911	46.880	ug/l	97

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

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