

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064936.D
 Acq On : 24 Jan 2020 10:10
 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
 1/27/2020 12:02:59 PM

Quant Time: Jan 25 02:47:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	478729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	688072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	602199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	232763	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.92	113	223348	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.34	98	889802	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.64	95	270233	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	186889	51.820	ug/l	99
3) Chloromethane	2.21	50	260531	49.289	ug/l	96
4) Vinyl Chloride	2.35	62	299780	49.379	ug/l	98
5) Bromomethane	2.77	94	194339	47.588	ug/l	98
6) Chloroethane	2.93	64	190586	47.618	ug/l	98
7) Trichlorofluoromethane	3.27	101	455894	48.623	ug/l	99
8) Diethyl Ether	3.70	74	97578	46.101	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	219792	50.386	ug/l	99
10) Methyl Iodide	4.29	142	226703	48.961	ug/l	98
11) Tert butyl alcohol	5.24	59	57456	226.419	ug/l	96
12) 1,1-Dichloroethene	4.06	96	207114	49.701	ug/l	99
13) Acrolein	3.92	56	77231	242.777	ug/l	96
14) Allyl chloride	4.71	41	335576	50.490	ug/l	98
15) Acrylonitrile	5.43	53	217303	237.079	ug/l	98
16) Acetone	4.16	43	246458	223.941	ug/l	100
17) Carbon Disulfide	4.40	76	691065	50.388	ug/l	99
18) Methyl Acetate	4.73	43	99194	46.123	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	443859	47.669	ug/l	98
20) Methylene Chloride	4.96	84	222193	49.723	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	237656	49.500	ug/l	99
22) Diisopropyl ether	6.37	45	654755	49.432	ug/l	98
23) Vinyl Acetate	6.31	43	1903050	245.392	ug/l	99
24) 1,1-Dichloroethane	6.27	63	398257	48.971	ug/l	99
25) 2-Butanone	7.22	43	296923	239.337	ug/l	98
26) 2,2-Dichloropropane	7.21	77	371378	50.345	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	252438	49.261	ug/l	100
28) Bromochloromethane	7.54	49	160876	49.463	ug/l	98
29) Tetrahydrofuran	7.57	42	174123	227.476	ug/l	99
30) Chloroform	7.71	83	411846	48.989	ug/l	98
31) Cyclohexane	7.98	56	372060	46.505	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	380626	48.668	ug/l	98
36) 1,1-Dichloropropene	8.11	75	330095	49.751	ug/l	98
37) Ethyl Acetate	7.30	43	125994	45.973	ug/l	99
38) Carbon Tetrachloride	8.10	117	355268	50.659	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	380197	49.013	ug/l	94
40) Benzene	8.35	78	918932	50.287	ug/l	100
41) Methacrylonitrile	7.53	41	76170m	51.593	ug/l	
42) 1,2-Dichloroethane	8.43	62	265256	48.730	ug/l	99
43) Isopropyl Acetate	8.46	43	242325	46.548	ug/l	99
44) Trichloroethene	9.11	130	257842	50.417	ug/l	98
45) 1,2-Dichloropropane	9.39	63	219487	49.546	ug/l	97
46) Dibromomethane	9.48	93	115602	47.798	ug/l	98
47) Bromodichloromethane	9.67	83	315570	50.144	ug/l	98
48) Methyl methacrylate	9.46	41	117897	49.212	ug/l	99
49) 1,4-Dioxane	9.46	88	26377	940.355	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	610335	234.308	ug/l	100
52) Toluene	10.41	92	585382	49.687	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	297447	49.618	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	349313	49.769	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	158110	48.533	ug/l	97
56) Ethyl methacrylate	10.66	69	197052	50.581	ug/l	98
57) 1,3-Dichloropropane	10.95	76	270095	48.338	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	295195	228.080	ug/l	99
59) 2-Hexanone	10.99	43	452431	251.806	ug/l	99
60) Dibromochloromethane	11.14	129	210039	48.238	ug/l	98
61) 1,2-Dibromoethane	11.25	107	150738	48.053	ug/l	99
64) Tetrachloroethene	10.88	164	216874	49.837	ug/l	100
65) Chlorobenzene	11.67	112	612318	50.079	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	229453	49.899	ug/l	98
67) Ethyl Benzene	11.75	91	1110468	51.157	ug/l	100
68) m/p-Xylenes	11.86	106	867546	103.803	ug/l	100
69) o-Xylene	12.18	106	380535	51.303	ug/l	99
70) Styrene	12.20	104	693588	52.492	ug/l	100
71) Bromoform	12.37	173	124877	48.854	ug/l	# 98
73) Isopropylbenzene	12.48	105	1046268	51.379	ug/l	100
74) N-amyl acetate	12.30	43	216469	47.505	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	164055	47.933	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	125004m	50.549	ug/l	
77) Bromobenzene	12.77	156	249628	50.101	ug/l	99
78) n-propylbenzene	12.83	91	1234392	50.971	ug/l	99
79) 2-Chlorotoluene	12.91	91	668610	50.327	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	852615	51.091	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	56932	49.157	ug/l	99
82) 4-Chlorotoluene	13.01	91	710836	50.452	ug/l	99
83) tert-Butylbenzene	13.23	119	714216	50.432	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	854538	50.548	ug/l	100
85) sec-Butylbenzene	13.41	105	1007160	50.227	ug/l	99
86) p-Isopropyltoluene	13.53	119	949535	50.605	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	479599	50.167	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	462794	48.775	ug/l	99
89) n-Butylbenzene	13.85	91	868158	50.698	ug/l	99
90) Hexachloroethane	14.12	117	178306	49.276	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	402658	49.612	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25741	46.997	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	273954	48.791	ug/l	98
94) Hexachlorobutadiene	15.28	225	173660	48.897	ug/l	98
95) Naphthalene	15.41	128	446329	49.255	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	231489	47.550	ug/l	98

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

