

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065100.D
 Acq On : 06 Feb 2020 21:38
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 12:05:46 PM

Quant Time: Feb 07 07:20:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	405599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	622047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	582840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288908	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	219196	63.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.18%	
35) Dibromofluoromethane	7.92	113	213721	61.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.16%	
50) Toluene-d8	10.34	98	816059	59.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.14%	
62) 4-Bromofluorobenzene	12.64	95	263471	60.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	167508	49.628	ug/l	94
3) Chloromethane	2.21	50	234801	59.096	ug/l	96
4) Vinyl Chloride	2.35	62	234153	55.725	ug/l	100
5) Bromomethane	2.77	94	152031	55.801	ug/l	100
6) Chloroethane	2.93	64	153116	58.744	ug/l	98
7) Trichlorofluoromethane	3.27	101	338497	55.354	ug/l	97
8) Diethyl Ether	3.71	74	99854	56.881	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	187630	50.191	ug/l	99
10) Methyl Iodide	4.30	142	221189	51.839	ug/l	97
11) Tert butyl alcohol	5.24	59	56157	266.624	ug/l	99
12) 1,1-Dichloroethene	4.06	96	183855	51.352	ug/l	99
13) Acrolein	3.93	56	76102	293.762	ug/l	96
14) Allyl chloride	4.71	41	317777	53.404	ug/l	99
15) Acrylonitrile	5.44	53	225429	293.723	ug/l	99
16) Acetone	4.17	43	227417	263.864	ug/l	99
17) Carbon Disulfide	4.40	76	617476	53.715	ug/l	98
18) Methyl Acetate	4.73	43	104649	58.116	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	449668	56.796	ug/l	98
20) Methylene Chloride	4.96	84	226671	60.562	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	220156	54.350	ug/l	97
22) Diisopropyl ether	6.37	45	672156	59.886	ug/l	98
23) Vinyl Acetate	6.31	43	1813544	289.891	ug/l	99
24) 1,1-Dichloroethane	6.27	63	388583	57.198	ug/l	99
25) 2-Butanone	7.23	43	293965	285.935	ug/l	99
26) 2,2-Dichloropropane	7.21	77	311035	51.079	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	240341	55.850	ug/l	99
28) Bromochloromethane	7.55	49	162061	62.930	ug/l	97
29) Tetrahydrofuran	7.57	42	182949	294.263	ug/l	98
30) Chloroform	7.71	83	393290	58.141	ug/l	96
31) Cyclohexane	7.98	56	336420	49.057	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	338957	53.792	ug/l	99
36) 1,1-Dichloropropene	8.11	75	299714	51.817	ug/l	99
37) Ethyl Acetate	7.30	43	132571	56.102	ug/l	98
38) Carbon Tetrachloride	8.10	117	304326	51.515	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	347793	48.714	ug/l	100
40) Benzene	8.36	78	889633	55.697	ug/l	98
41) Methacrylonitrile	7.53	41	60583	46.537	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	257956	56.679	ug/l	98
43) Isopropyl Acetate	8.46	43	250572	55.433	ug/l	100
44) Trichloroethene	9.11	130	235402	51.345	ug/l	95
45) 1,2-Dichloropropane	9.39	63	221899	57.943	ug/l	98
46) Dibromomethane	9.48	93	116896	58.088	ug/l	97
47) Bromodichloromethane	9.67	83	309642	58.397	ug/l	99
48) Methyl methacrylate	9.46	41	118360	54.415	ug/l	99
49) 1,4-Dioxane	9.47	88	26636	1117.513	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	646644	290.633	ug/l	99
52) Toluene	10.41	92	561703	55.099	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	291215	56.409	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	344885	55.857	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	155865	56.468	ug/l	98
56) Ethyl methacrylate	10.67	69	202939	58.107	ug/l	100
57) 1,3-Dichloropropane	10.96	76	280536	57.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	284830	252.614	ug/l	100
59) 2-Hexanone	10.99	43	453178	287.552	ug/l	99
60) Dibromochloromethane	11.15	129	207761	58.111	ug/l	99
61) 1,2-Dibromoethane	11.25	107	151054	56.006	ug/l	99
64) Tetrachloroethene	10.88	164	238285	56.897	ug/l	98
65) Chlorobenzene	11.68	112	601967	53.399	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	227031	54.566	ug/l	100
67) Ethyl Benzene	11.75	91	1050919	51.312	ug/l	100
68) m/p-Xylenes	11.86	106	834667	106.776	ug/l	99
69) o-Xylene	12.19	106	371371	52.756	ug/l	99
70) Styrene	12.20	104	673096	55.016	ug/l	100
71) Bromoform	12.37	173	122959	54.906	ug/l #	100
73) Isopropylbenzene	12.49	105	983351	49.590	ug/l	99
74) N-amyl acetate	12.30	43	232343	53.907	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	164326	52.654	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	120313m	55.004	ug/l	
77) Bromobenzene	12.77	156	242009	50.655	ug/l	98
78) n-propylbenzene	12.83	91	1176236	50.651	ug/l	98
79) 2-Chlorotoluene	12.92	91	650658	50.266	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	820377	50.570	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	54702	50.015	ug/l	96
82) 4-Chlorotoluene	13.01	91	693261	50.995	ug/l	100
83) tert-Butylbenzene	13.23	119	686631	49.060	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	826138	51.295	ug/l	99
85) sec-Butylbenzene	13.41	105	939752	49.162	ug/l	99
86) p-Isopropyltoluene	13.53	119	901929	50.783	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	467013	52.208	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	449469	50.485	ug/l	99
89) n-Butylbenzene	13.85	91	812831	49.584	ug/l	99
90) Hexachloroethane	14.13	117	168061	49.972	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	396967	51.811	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26482	51.981	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	266903	48.739	ug/l	99
94) Hexachlorobutadiene	15.28	225	155599	46.211	ug/l	98
95) Naphthalene	15.41	128	461576	50.712	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	232206	49.573	ug/l	99

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

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