

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065696.D
 Acq On : 06 May 2020 14:44
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:56 AM

Quant Time: May 06 16:09:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 15:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	490881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	756088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	666147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	46238	9.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.38%	
35) Dibromofluoromethane	7.92	113	46459	8.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.88%	
50) Toluene-d8	10.34	98	179386	9.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.84%	
62) 4-Bromofluorobenzene	12.64	95	64616	10.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	37728	8.837	ug/l	97
3) Chloromethane	2.21	50	48564	9.016	ug/l	96
4) Vinyl Chloride	2.35	62	47672	9.395	ug/l	100
5) Bromomethane	2.77	94	32635	9.191	ug/l	98
6) Chloroethane	2.92	64	32368	10.249	ug/l	92
7) Trichlorofluoromethane	3.27	101	80446	10.271	ug/l	98
8) Diethyl Ether	3.71	74	25105	14.360	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	48139	9.559	ug/l	98
10) Methyl Iodide	4.30	142	40184	8.314	ug/l	99
11) Tert butyl alcohol	5.22	59	24194	91.985	ug/l #	84
12) 1,1-Dichloroethene	4.07	96	46773	9.962	ug/l	95
13) Acrolein	3.93	56	21772	64.392	ug/l	99
14) Allyl chloride	4.72	41	96619	13.158	ug/l	99
15) Acrylonitrile	5.43	53	59032	59.743	ug/l	98
16) Acetone	4.16	43	52429	57.919	ug/l	93
17) Carbon Disulfide	4.41	76	155391	9.980	ug/l	99
18) Methyl Acetate	4.72	43	24174	9.646	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	114459	12.110	ug/l	99
20) Methylene Chloride	4.97	84	55373	10.000	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	53683	10.192	ug/l	98
22) Diisopropyl ether	6.36	45	176292	12.620	ug/l	97
23) Vinyl Acetate	6.31	43	525512	68.819	ug/l	99
24) 1,1-Dichloroethane	6.27	63	98658	10.964	ug/l	99
25) 2-Butanone	7.22	43	77843	63.023	ug/l	95
26) 2,2-Dichloropropane	7.21	77	89419	11.085	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	57925	10.583	ug/l	96
28) Bromochloromethane	7.56	49	38172	10.345	ug/l	98
29) Tetrahydrofuran	7.57	42	49008	63.316	ug/l	98
30) Chloroform	7.71	83	92603	9.980	ug/l	98
31) Cyclohexane	7.99	56	103988	12.261	ug/l #	94
32) 1,1,1-Trichloroethane	7.91	97	87367	10.384	ug/l	98
36) 1,1-Dichloropropene	8.11	75	78470	10.276	ug/l	98
37) Ethyl Acetate	7.30	43	38705	12.871	ug/l #	96
38) Carbon Tetrachloride	8.10	117	76651	9.378	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	97659	11.247	ug/l	98
40) Benzene	8.36	78	213554	9.868	ug/l	99
41) Methacrylonitrile	7.53	41	23121	13.850	ug/l	90
42) 1,2-Dichloroethane	8.43	62	62109	10.140	ug/l	96
43) Isopropyl Acetate	8.46	43	74512	13.317	ug/l	100
44) Trichloroethene	9.11	130	58533	9.458	ug/l	93
45) 1,2-Dichloropropane	9.40	63	55512	10.389	ug/l	93
46) Dibromomethane	9.48	93	27518	9.642	ug/l	97
47) Bromodichloromethane	9.67	83	73998	9.920	ug/l	98
48) Methyl methacrylate	9.46	41	37161	14.054	ug/l	96
49) 1,4-Dioxane	9.47	88	6726	215.642	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	178162	62.743	ug/l	100
52) Toluene	10.41	92	132206	9.710	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	73966	10.941	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	86549	10.543	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	36128	9.058	ug/l	91
56) Ethyl methacrylate	10.67	69	53836	12.772	ug/l	97
57) 1,3-Dichloropropane	10.95	76	67732	10.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	118198	54.429	ug/l	97
59) 2-Hexanone	10.99	43	123592	65.118	ug/l	98
60) Dibromochloromethane	11.14	129	50088	9.496	ug/l	99
61) 1,2-Dibromoethane	11.25	107	36231	9.484	ug/l	96
64) Tetrachloroethene	10.88	164	50049	9.755	ug/l	96
65) Chlorobenzene	11.68	112	138487	9.855	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	51409	9.620	ug/l	98
67) Ethyl Benzene	11.75	91	260845	11.125	ug/l	98
68) m/p-Xylenes	11.86	106	196673	21.556	ug/l	99
69) o-Xylene	12.18	106	91354	11.453	ug/l	97
70) Styrene	12.20	104	156694	11.217	ug/l	99
71) Bromoform	12.37	173	29192	9.655	ug/l #	100
73) Isopropylbenzene	12.48	105	249931	12.347	ug/l	99
74) N-amyl acetate	12.30	43	71888	16.035	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	42500	11.323	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	29339m	11.446	ug/l	
77) Bromobenzene	12.77	156	56445	10.372	ug/l	99
78) n-propylbenzene	12.83	91	295195	12.094	ug/l	100
79) 2-Chlorotoluene	12.91	91	166089	11.851	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	204688	12.015	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15620	13.585	ug/l	96
82) 4-Chlorotoluene	13.01	91	174704	11.630	ug/l	99
83) tert-Butylbenzene	13.23	119	174224	12.290	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	204449	12.131	ug/l	99
85) sec-Butylbenzene	13.41	105	242989	11.955	ug/l	100
86) p-Isopropyltoluene	13.53	119	223538	12.017	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	108506	10.344	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	105691	10.095	ug/l	97
89) n-Butylbenzene	13.86	91	216651	12.657	ug/l	99
90) Hexachloroethane	14.12	117	44718	10.962	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	93348	10.444	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6587	11.039	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	67976	11.315	ug/l	97
94) Hexachlorobutadiene	15.28	225	39586	9.756	ug/l	98
95) Naphthalene	15.41	128	120442	13.340	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	58366	11.272	ug/l	99

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

