

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067502.D
 Acq On : 03 Nov 2020 10:43
 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
 11/4/2020 10:43:16 AM

Quant Time: Nov 04 00:35:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	323215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	482682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	432840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	223150	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	31582	11.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.34%	
35) Dibromofluoromethane	7.93	113	31584	10.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.72%	
50) Toluene-d8	10.35	98	115335	11.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.58%	
62) 4-Bromofluorobenzene	12.64	95	39096	11.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	35172	11.900	ug/l	93
3) Chloromethane	2.21	50	22984	11.419	ug/l	93
4) Vinyl Chloride	2.36	62	23645	10.537	ug/l #	85
5) Bromomethane	2.78	94	20176	11.093	ug/l	85
6) Chloroethane	2.93	64	15360	11.103	ug/l	98
7) Trichlorofluoromethane	3.28	101	64254	11.059	ug/l	97
8) Diethyl Ether	3.71	74	11723	10.013	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	31725	10.817	ug/l	99
10) Methyl Iodide	4.30	142	29265	9.310	ug/l	95
11) Tert butyl alcohol	5.22	59	8137m	56.863	ug/l	
12) 1,1-Dichloroethene	4.08	96	29023	10.758	ug/l	95
13) Acrolein	3.93	56	3529	34.368	ug/l	99
14) Allyl chloride	4.72	41	30062	10.412	ug/l	95
15) Acrylonitrile	5.43	53	22691	52.431	ug/l	97
16) Acetone	4.16	43	21508	50.856	ug/l #	88
17) Carbon Disulfide	4.42	76	88397	10.693	ug/l	96
18) Methyl Acetate	4.72	43	9131	10.448	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	53082	9.975	ug/l	94
20) Methylene Chloride	4.97	84	33428	11.189	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	33209	10.569	ug/l	97
22) Diisopropyl ether	6.37	45	58095	10.325	ug/l	97
23) Vinyl Acetate	6.31	43	145331	49.252	ug/l	96
24) 1,1-Dichloroethane	6.27	63	50433	10.957	ug/l	98
25) 2-Butanone	7.21	43	23272	51.498	ug/l	93
26) 2,2-Dichloropropane	7.21	77	51254	10.551	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	34101	10.456	ug/l	96
28) Bromochloromethane	7.56	49	16995	10.380	ug/l	100
29) Tetrahydrofuran	7.57	42	13898	51.343	ug/l	96
30) Chloroform	7.72	83	59758	10.882	ug/l	99
31) Cyclohexane	8.00	56	46465	11.336	ug/l #	96
32) 1,1,1-Trichloroethane	7.91	97	62375	11.009	ug/l	96
36) 1,1-Dichloropropene	8.12	75	43859	10.615	ug/l	99
37) Ethyl Acetate	7.29	43	11558	10.775	ug/l	96
38) Carbon Tetrachloride	8.10	117	58329	10.866	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	50608	10.407	ug/l	95
40) Benzene	8.36	78	118983	10.631	ug/l	99
41) Methacrylonitrile	7.52	41	7104m	13.167	ug/l	
42) 1,2-Dichloroethane	8.43	62	36366	10.517	ug/l	100
43) Isopropyl Acetate	8.46	43	21727	10.242	ug/l	96
44) Trichloroethene	9.12	130	38371	10.427	ug/l	92
45) 1,2-Dichloropropane	9.39	63	25527	10.550	ug/l	94
46) Dibromomethane	9.48	93	16185	10.520	ug/l	98
47) Bromodichloromethane	9.67	83	43040	10.292	ug/l	100
48) Methyl methacrylate	9.47	41	10748	9.813	ug/l	89
49) 1,4-Dioxane	9.47	88	3741	239.520	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	51422	50.684	ug/l	97
52) Toluene	10.41	92	77150	10.292	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	36462	10.181	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	44342	10.421	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	21574	10.598	ug/l #	89
56) Ethyl methacrylate	10.67	69	21923	10.429	ug/l	93
57) 1,3-Dichloropropane	10.95	76	34438	10.513	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	46931	47.874	ug/l	98
59) 2-Hexanone	10.99	43	35708	50.337	ug/l	94
60) Dibromochloromethane	11.14	129	32478	10.785	ug/l	98
61) 1,2-Dibromoethane	11.25	107	21628	10.586	ug/l	100
64) Tetrachloroethene	10.88	164	34631	10.803	ug/l	94
65) Chlorobenzene	11.68	112	89358	10.717	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	35352	10.758	ug/l	97
67) Ethyl Benzene	11.75	91	145674	10.210	ug/l	98
68) m/p-Xylenes	11.86	106	114526	20.633	ug/l	100
69) o-Xylene	12.18	106	49922	10.074	ug/l	96
70) Styrene	12.20	104	90899	10.526	ug/l	97
71) Bromoform	12.37	173	17613	10.509	ug/l #	86
73) Isopropylbenzene	12.48	105	143813	9.972	ug/l	100
74) N-amyl acetate	12.30	43	18784	9.898	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	20307	10.326	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	14706m	10.450	ug/l	
77) Bromobenzene	12.77	156	36669	10.353	ug/l	98
78) n-propylbenzene	12.83	91	168257	10.200	ug/l	99
79) 2-Chlorotoluene	12.91	91	94547	10.090	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	125143	10.158	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	7607	11.473	ug/l #	87
82) 4-Chlorotoluene	13.01	91	105408	10.488	ug/l	98
83) tert-Butylbenzene	13.23	119	102374	9.805	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	124643	10.164	ug/l	97
85) sec-Butylbenzene	13.41	105	141685	10.052	ug/l	99
86) p-Isopropyltoluene	13.53	119	140571	10.328	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	72024	10.657	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	74191	10.842	ug/l	98
89) n-Butylbenzene	13.85	91	116171	9.881	ug/l	99
90) Hexachloroethane	14.12	117	25544	9.966	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	60539	10.350	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	3864	11.097	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	39460	9.940	ug/l	98
94) Hexachlorobutadiene	15.27	225	27073	10.190	ug/l	97
95) Naphthalene	15.41	128	55630	9.080	ug/l	96
96) 1,2,3-Trichlorobenzene	15.60	180	32814	9.653	ug/l	95

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

