

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066273.D
 Acq On : 18 Aug 2020 13:05
 Operator : VA/SY
 Sample : VD0818SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:08 PM

Quant Time: Aug 18 14:21:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	264908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	379560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	346265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	183226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	124045	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	7.91	113	125087	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
50) Toluene-d8	10.34	98	453970	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.63	95	164528	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	48571	20.811	ug/l	99
3) Chloromethane	2.21	50	33918	18.682	ug/l	91
4) Vinyl Chloride	2.35	62	35537	22.109	ug/l	96
5) Bromomethane	2.76	94	22561	21.156	ug/l	95
6) Chloroethane	2.91	64	20295	20.569	ug/l #	89
7) Trichlorofluoromethane	3.27	101	87724	20.934	ug/l	95
8) Diethyl Ether	3.70	74	22429	18.969	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	50776	20.417	ug/l	98
10) Methyl Iodide	4.30	142	41419	22.549	ug/l	96
11) Tert butyl alcohol	5.20	59	24841m	121.187	ug/l	
12) 1,1-Dichloroethene	4.06	96	45533	19.408	ug/l	94
13) Acrolein	3.92	56	11604	61.684	ug/l	94
14) Allyl chloride	4.71	41	64335	18.101	ug/l	95
15) Acrylonitrile	5.41	53	47424	95.180	ug/l	99
16) Acetone	4.16	43	48267	107.635	ug/l	98
17) Carbon Disulfide	4.41	76	132458	17.757	ug/l	98
18) Methyl Acetate	4.72	43	21846	19.179	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	101400	18.857	ug/l	98
20) Methylene Chloride	4.96	84	66299	23.248	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	51248	19.015	ug/l	90
22) Diisopropyl ether	6.36	45	134270	19.104	ug/l	94
23) Vinyl Acetate	6.30	43	375292	91.144	ug/l	100
24) 1,1-Dichloroethane	6.27	63	85636	19.688	ug/l	98
25) 2-Butanone	7.21	43	62675	95.025	ug/l	99
26) 2,2-Dichloropropane	7.20	77	83143	21.327	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	56033	19.822	ug/l	99
28) Bromochloromethane	7.54	49	31145	20.387	ug/l	94
29) Tetrahydrofuran	7.56	42	36428	89.144	ug/l	96
30) Chloroform	7.71	83	91776	20.094	ug/l	98
31) Cyclohexane	7.98	56	75319	18.191	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	88292	20.618	ug/l	98
36) 1,1-Dichloropropene	8.11	75	71254	19.978	ug/l	99
37) Ethyl Acetate	7.29	43	26772	18.945	ug/l	98
38) Carbon Tetrachloride	8.09	117	84031	21.127	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	81672	18.942	ug/l	95
40) Benzene	8.34	78	192968	19.503	ug/l	96
41) Methacrylonitrile	7.53	41	18555m	22.331	ug/l	
42) 1,2-Dichloroethane	8.42	62	61077	21.013	ug/l	100
43) Isopropyl Acetate	8.44	43	50840	18.259	ug/l	97
44) Trichloroethene	9.11	130	58787	19.717	ug/l	99
45) 1,2-Dichloropropane	9.38	63	47886	19.788	ug/l	93
46) Dibromomethane	9.47	93	27232	20.430	ug/l	97
47) Bromodichloromethane	9.66	83	71469	20.287	ug/l	96
48) Methyl methacrylate	9.46	41	26734	18.803	ug/l	95
49) 1,4-Dioxane	9.46	88	6787	396.323	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	134774	94.233	ug/l	100
52) Toluene	10.40	92	132517	20.354	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	66289	19.827	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	79823	20.378	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	39043	20.342	ug/l	92
56) Ethyl methacrylate	10.66	69	44182	19.162	ug/l	95
57) 1,3-Dichloropropane	10.94	76	62733	19.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	110647	106.684	ug/l	98
59) 2-Hexanone	10.98	43	93424	93.075	ug/l	98
60) Dibromochloromethane	11.14	129	54393	20.527	ug/l	100
61) 1,2-Dibromoethane	11.24	107	35416	19.187	ug/l	95
64) Tetrachloroethene	10.87	164	54613	20.539	ug/l	97
65) Chlorobenzene	11.67	112	142239	20.235	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	56119	20.404	ug/l	98
67) Ethyl Benzene	11.74	91	242320	19.893	ug/l	100
68) m/p-Xylenes	11.86	106	189956	40.249	ug/l	94
69) o-Xylene	12.18	106	87208	20.313	ug/l	99
70) Styrene	12.19	104	157491	20.932	ug/l	99
71) Bromoform	12.36	173	33377	20.483	ug/l #	100
73) Isopropylbenzene	12.48	105	247208	20.212	ug/l	99
74) N-amyl acetate	12.29	43	48528	18.018	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	40521	19.429	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	27410m	17.939	ug/l	
77) Bromobenzene	12.76	156	63437	20.149	ug/l	99
78) n-propylbenzene	12.82	91	287537	20.224	ug/l	100
79) 2-Chlorotoluene	12.91	91	164695	20.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	208989	20.432	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13348	19.311	ug/l	97
82) 4-Chlorotoluene	13.00	91	176334	20.542	ug/l	99
83) tert-Butylbenzene	13.23	119	175789	19.542	ug/l	94
84) 1,2,4-Trimethylbenzene	13.27	105	210247	20.539	ug/l	98
85) sec-Butylbenzene	13.40	105	253140	20.843	ug/l	99
86) p-Isopropyltoluene	13.52	119	234799	20.613	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	118535	20.032	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	119311	20.218	ug/l	99
89) n-Butylbenzene	13.85	91	207696	20.351	ug/l	99
90) Hexachloroethane	14.11	117	45742	20.134	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	105797	20.217	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7121	19.867	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	74017	19.193	ug/l	98
94) Hexachlorobutadiene	15.27	225	45705	20.126	ug/l	99
95) Naphthalene	15.41	128	117013	18.621	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	66409	19.507	ug/l	99

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

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