

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066274.D
 Acq On : 18 Aug 2020 13:32
 Operator : VA/SY
 Sample : VD0818SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0818SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:09 PM

Quant Time: Aug 18 14:22:58 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	259742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	368982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	339458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	121051	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	7.91	113	122058	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.34	98	446583	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.63	95	160592	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	48508	21.197	ug/l	97
3) Chloromethane	2.20	50	34232	19.230	ug/l	99
4) Vinyl Chloride	2.35	62	34476	21.876	ug/l	98
5) Bromomethane	2.76	94	23695	22.661	ug/l	98
6) Chloroethane	2.91	64	21008	21.716	ug/l	93
7) Trichlorofluoromethane	3.27	101	87810	21.371	ug/l	100
8) Diethyl Ether	3.70	74	22578	19.475	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	51310	21.042	ug/l	98
10) Methyl Iodide	4.30	142	43603	23.716	ug/l	99
11) Tert butyl alcohol	5.21	59	21579	102.259	ug/l	96
12) 1,1-Dichloroethene	4.06	96	46352	20.150	ug/l	98
13) Acrolein	3.92	56	10367	56.204	ug/l	98
14) Allyl chloride	4.71	41	63565	18.240	ug/l	93
15) Acrylonitrile	5.42	53	46075	94.312	ug/l	99
16) Acetone	4.16	43	45029	102.411	ug/l	95
17) Carbon Disulfide	4.41	76	136763	18.699	ug/l	98
18) Methyl Acetate	4.71	43	21360	19.126	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	102986	19.533	ug/l	95
20) Methylene Chloride	4.96	84	66869	24.062	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	50252	19.017	ug/l	91
22) Diisopropyl ether	6.36	45	132677	19.252	ug/l	93
23) Vinyl Acetate	6.30	43	375904	93.108	ug/l	97
24) 1,1-Dichloroethane	6.26	63	85400	20.024	ug/l	98
25) 2-Butanone	7.21	43	60070	92.887	ug/l	95
26) 2,2-Dichloropropane	7.20	77	82811	21.664	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	56681	20.450	ug/l	100
28) Bromochloromethane	7.54	49	32788	21.889	ug/l	98
29) Tetrahydrofuran	7.56	42	36243	90.455	ug/l	99
30) Chloroform	7.71	83	92159	20.579	ug/l	95
31) Cyclohexane	7.98	56	75571	18.615	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	92018	21.915	ug/l	99
36) 1,1-Dichloropropene	8.11	75	71174	20.527	ug/l	99
37) Ethyl Acetate	7.29	43	26931	19.603	ug/l	95
38) Carbon Tetrachloride	8.09	117	87195	22.551	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	82591	19.705	ug/l	97
40) Benzene	8.34	78	192750	20.039	ug/l	99
41) Methacrylonitrile	7.51	41	12434m	15.393	ug/l	
42) 1,2-Dichloroethane	8.42	62	59860	21.184	ug/l	99
43) Isopropyl Acetate	8.44	43	51701	19.101	ug/l	99
44) Trichloroethene	9.11	130	61523	21.226	ug/l	93
45) 1,2-Dichloropropane	9.38	63	45392	19.296	ug/l	98
46) Dibromomethane	9.47	93	26380	20.358	ug/l	99
47) Bromodichloromethane	9.66	83	73458	21.449	ug/l	100
48) Methyl methacrylate	9.45	41	22434	16.231	ug/l #	76
49) 1,4-Dioxane	9.46	88	6138	368.700	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	129776	93.340	ug/l	100
52) Toluene	10.40	92	129906	20.525	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	66088	20.334	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	77422	20.332	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	36982	19.820	ug/l	90
56) Ethyl methacrylate	10.66	69	42979	19.175	ug/l	97
57) 1,3-Dichloropropane	10.94	76	63138	20.383	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	108059	107.176	ug/l	99
59) 2-Hexanone	10.98	43	88155	90.343	ug/l	98
60) Dibromochloromethane	11.14	129	52415	20.347	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37526	20.912	ug/l	97
64) Tetrachloroethene	10.87	164	53154	20.392	ug/l	97
65) Chlorobenzene	11.67	112	144429	20.959	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	56207	20.846	ug/l	100
67) Ethyl Benzene	11.74	91	251138	21.030	ug/l	100
68) m/p-Xylenes	11.85	106	192633	41.635	ug/l	93
69) o-Xylene	12.18	106	87408	20.768	ug/l	100
70) Styrene	12.20	104	156228	21.181	ug/l	98
71) Bromoform	12.36	173	33717	21.106	ug/l #	98
73) Isopropylbenzene	12.48	105	245049	20.659	ug/l	97
74) N-amyl acetate	12.29	43	48107	18.418	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	38609	19.089	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	31896m	21.525	ug/l	
77) Bromobenzene	12.76	156	61978	20.298	ug/l	97
78) n-propylbenzene	12.82	91	294282	21.343	ug/l	99
79) 2-Chlorotoluene	12.91	91	168321	21.344	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	214026	21.575	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13213	19.711	ug/l	96
82) 4-Chlorotoluene	13.01	91	172779	20.755	ug/l	99
83) tert-Butylbenzene	13.23	119	179193	20.540	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	210631	21.217	ug/l	100
85) sec-Butylbenzene	13.40	105	252750	21.459	ug/l	99
86) p-Isopropyltoluene	13.52	119	241001	21.816	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	118645	20.674	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	119329	20.850	ug/l	97
89) n-Butylbenzene	13.85	91	208534	21.069	ug/l	98
90) Hexachloroethane	14.11	117	46395	21.058	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	102652	20.226	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7268	20.908	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	74901	20.026	ug/l	99
94) Hexachlorobutadiene	15.27	225	46409	21.072	ug/l	99
95) Naphthalene	15.41	128	116379	19.097	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	65349	19.793	ug/l	98

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

