

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081220\
 Data File : VD066202.D
 Acq On : 12 Aug 2020 14:14
 Operator : VA/SY
 Sample : VD0812SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0812SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2020 4:21:01 PM

Quant Time: Aug 12 16:12:10 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	290204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	409735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	389384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206979	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	137518	53.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.24%	
35) Dibromofluoromethane	7.91	113	138015	53.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.34%	
50) Toluene-d8	10.33	98	508846	53.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.24%	
62) 4-Bromofluorobenzene	12.63	95	183210	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	48216	18.858	ug/l	97
3) Chloromethane	2.20	50	31589	15.883	ug/l	90
4) Vinyl Chloride	2.34	62	29951	17.010	ug/l	93
5) Bromomethane	2.74	94	19123	16.369	ug/l	99
6) Chloroethane	2.91	64	17498	16.189	ug/l #	81
7) Trichlorofluoromethane	3.26	101	80327	17.498	ug/l	99
8) Diethyl Ether	3.70	74	20633	15.929	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	47637	17.485	ug/l	97
10) Methyl Iodide	4.29	142	39413	20.469	ug/l	96
11) Tert butyl alcohol	5.20	59	22644m	93.319	ug/l	
12) 1,1-Dichloroethene	4.06	96	43050	16.750	ug/l #	90
13) Acrolein	3.91	56	14596	70.826	ug/l	97
14) Allyl chloride	4.70	41	59290	15.228	ug/l	93
15) Acrylonitrile	5.42	53	49441	90.579	ug/l	99
16) Acetone	4.16	43	39732	80.879	ug/l #	83
17) Carbon Disulfide	4.40	76	128658	15.744	ug/l	97
18) Methyl Acetate	4.71	43	20888	16.740	ug/l	99
19) Methyl tert-butyl Ether	5.46	73	103439	17.559	ug/l	97
20) Methylene Chloride	4.96	84	56824	17.069	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	48903	16.564	ug/l	88
22) Diisopropyl ether	6.36	45	134941	17.526	ug/l #	98
23) Vinyl Acetate	6.30	43	392236	86.955	ug/l	98
24) 1,1-Dichloroethane	6.26	63	83550	17.534	ug/l	96
25) 2-Butanone	7.20	43	64230	88.894	ug/l	92
26) 2,2-Dichloropropane	7.20	77	79009	18.500	ug/l	98
27) cis-1,2-Dichloroethene	7.20	96	55298	17.857	ug/l	98
28) Bromochloromethane	7.54	49	35175	21.018	ug/l	100
29) Tetrahydrofuran	7.56	42	38436	85.859	ug/l	98
30) Chloroform	7.70	83	90200	18.028	ug/l	98
31) Cyclohexane	7.97	56	76689	16.907	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	86786	18.499	ug/l	98
36) 1,1-Dichloropropene	8.10	75	70428	18.292	ug/l	99
37) Ethyl Acetate	7.28	43	26511	17.378	ug/l #	80
38) Carbon Tetrachloride	8.08	117	82333	19.176	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	81427	17.495	ug/l	98
40) Benzene	8.34	78	193013	18.071	ug/l	99
41) Methacrylonitrile	7.53	41	17399m	19.398	ug/l	
42) 1,2-Dichloroethane	8.42	62	60000	19.122	ug/l	99
43) Isopropyl Acetate	8.44	43	54313	18.070	ug/l	99
44) Trichloroethene	9.11	130	60496	18.796	ug/l	97
45) 1,2-Dichloropropane	9.38	63	47044	18.009	ug/l #	88
46) Dibromomethane	9.47	93	26582	18.474	ug/l	95
47) Bromodichloromethane	9.66	83	69034	18.152	ug/l	94
48) Methyl methacrylate	9.45	41	26783	17.451	ug/l	96
49) 1,4-Dioxane	9.46	88	6578	355.830	ug/l #	90
51) 4-Methyl-2-Pentanone	10.22	43	138965	90.008	ug/l	98
52) Toluene	10.40	92	129964	18.492	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	67898	18.813	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	79007	18.684	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	37815	18.251	ug/l	95
56) Ethyl methacrylate	10.66	69	45797	18.400	ug/l	96
57) 1,3-Dichloropropane	10.94	76	63511	18.464	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	121564	108.578	ug/l	100
59) 2-Hexanone	10.98	43	97237	89.739	ug/l	98
60) Dibromochloromethane	11.13	129	54197	18.947	ug/l	100
61) 1,2-Dibromoethane	11.24	107	37647	18.893	ug/l	100
64) Tetrachloroethene	10.87	164	54215	18.132	ug/l	95
65) Chlorobenzene	11.67	112	143744	18.185	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	57028	18.439	ug/l	99
67) Ethyl Benzene	11.74	91	247220	18.048	ug/l	100
68) m/p-Xylenes	11.85	106	194732	36.692	ug/l	98
69) o-Xylene	12.18	106	87355	18.094	ug/l	99
70) Styrene	12.19	104	155735	18.407	ug/l	100
71) Bromoform	12.36	173	34392	18.768	ug/l #	99
73) Isopropylbenzene	12.48	105	248120	17.958	ug/l	99
74) N-amyl acetate	12.28	43	52450	17.239	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	43343	18.397	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	26704m	15.471	ug/l	
77) Bromobenzene	12.76	156	65398	18.388	ug/l	95
78) n-propylbenzene	12.82	91	283716	17.665	ug/l	99
79) 2-Chlorotoluene	12.91	91	159961	17.414	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	212473	18.388	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14378	18.414	ug/l	93
82) 4-Chlorotoluene	13.01	91	176793	18.232	ug/l	99
83) tert-Butylbenzene	13.23	119	174771	17.199	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	210063	18.166	ug/l	99
85) sec-Butylbenzene	13.40	105	246739	17.985	ug/l	100
86) p-Isopropyltoluene	13.52	119	232816	18.093	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	120366	18.007	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	121666	18.251	ug/l	99
89) n-Butylbenzene	13.85	91	208214	18.060	ug/l	100
90) Hexachloroethane	14.11	117	46801	18.236	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	108437	18.343	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7079	17.483	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	77136	17.706	ug/l	99
94) Hexachlorobutadiene	15.27	225	45564	17.761	ug/l	97
95) Naphthalene	15.41	128	123761	17.435	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	67921	17.661	ug/l	98

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

