

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081720\
 Data File : VD066252.D
 Acq On : 17 Aug 2020 12:38
 Operator : VA/SY
 Sample : VD0817SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:08:47 AM

Quant Time: Aug 17 14:09:55 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	286800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	405552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	378148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	196862	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	123324	48.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.40%	
35) Dibromofluoromethane	7.91	113	127358	49.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.14%	
50) Toluene-d8	10.34	98	476572	50.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.63	95	171655	50.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	52504	20.779	ug/l	100
3) Chloromethane	2.20	50	37039	18.844	ug/l	98
4) Vinyl Chloride	2.34	62	36392	20.913	ug/l	91
5) Bromomethane	2.76	94	24381	21.118	ug/l	97
6) Chloroethane	2.92	64	22813	21.357	ug/l	97
7) Trichlorofluoromethane	3.27	101	90375	19.920	ug/l	96
8) Diethyl Ether	3.71	74	22176	17.323	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	51079	18.971	ug/l	96
10) Methyl Iodide	4.30	142	50058	24.392	ug/l	99
11) Tert butyl alcohol	5.21	59	16882	59.397	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	47085	18.538	ug/l	94
13) Acrolein	3.92	56	11309	55.527	ug/l	99
14) Allyl chloride	4.71	41	67224	17.470	ug/l	93
15) Acrylonitrile	5.43	53	46667	86.511	ug/l	100
16) Acetone	4.16	43	44121	90.879	ug/l	96
17) Carbon Disulfide	4.40	76	145112	17.969	ug/l	100
18) Methyl Acetate	4.71	43	20885	16.936	ug/l #	73
19) Methyl tert-butyl Ether	5.47	73	102514	17.609	ug/l	100
20) Methylene Chloride	4.96	84	63114	19.821	ug/l	93
21) trans-1,2-Dichloroethene	5.46	96	52997	18.163	ug/l	89
22) Diisopropyl ether	6.36	45	135653	17.827	ug/l	93
23) Vinyl Acetate	6.30	43	377908	84.773	ug/l	100
24) 1,1-Dichloroethane	6.26	63	86782	18.428	ug/l #	95
25) 2-Butanone	7.21	43	59684	83.583	ug/l	93
26) 2,2-Dichloropropane	7.20	77	84534	20.029	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	57842	18.900	ug/l	100
28) Bromochloromethane	7.54	49	33517	20.265	ug/l	95
29) Tetrahydrofuran	7.56	42	35501	80.244	ug/l	97
30) Chloroform	7.70	83	94092	19.029	ug/l	98
31) Cyclohexane	7.98	56	82101	18.315	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	91296	19.692	ug/l	99
36) 1,1-Dichloropropene	8.11	75	75550	19.824	ug/l	99
37) Ethyl Acetate	7.28	43	24876	16.475	ug/l	97
38) Carbon Tetrachloride	8.09	117	88124	20.736	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	86389	18.752	ug/l	97
40) Benzene	8.34	78	203685	19.267	ug/l	100
41) Methacrylonitrile	7.52	41	12127m	13.659	ug/l	
42) 1,2-Dichloroethane	8.42	62	61092	19.671	ug/l	99
43) Isopropyl Acetate	8.45	43	53488	17.979	ug/l	99
44) Trichloroethene	9.11	130	61375	19.266	ug/l	92
45) 1,2-Dichloropropane	9.38	63	46910	18.143	ug/l	95
46) Dibromomethane	9.47	93	26282	18.454	ug/l	96
47) Bromodichloromethane	9.66	83	72865	19.357	ug/l	95
48) Methyl methacrylate	9.45	41	27275	17.954	ug/l	99
49) 1,4-Dioxane	9.46	88	5528	302.116	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	128603	84.155	ug/l	98
52) Toluene	10.40	92	137509	19.767	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	66278	18.554	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	80152	19.151	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	38029	18.543	ug/l	94
56) Ethyl methacrylate	10.66	69	44405	18.024	ug/l	98
57) 1,3-Dichloropropane	10.94	76	63258	18.580	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	110295	99.529	ug/l	99
59) 2-Hexanone	10.98	43	92927	86.646	ug/l	97
60) Dibromochloromethane	11.14	129	55183	19.490	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37812	19.172	ug/l	95
64) Tetrachloroethene	10.87	164	56078	19.312	ug/l	96
65) Chlorobenzene	11.67	112	149854	19.521	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	60195	20.041	ug/l	97
67) Ethyl Benzene	11.74	91	263419	19.802	ug/l	99
68) m/p-Xylenes	11.86	106	204457	39.669	ug/l	97
69) o-Xylene	12.18	106	91817	19.584	ug/l	99
70) Styrene	12.20	104	162701	19.801	ug/l	99
71) Bromoform	12.36	173	33537	18.846	ug/l #	96
73) Isopropylbenzene	12.48	105	257447	19.591	ug/l	100
74) N-amyl acetate	12.29	43	49759	17.195	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	38452	17.160	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	33297m	20.282	ug/l	
77) Bromobenzene	12.76	156	66159	19.558	ug/l	99
78) n-propylbenzene	12.82	91	302045	19.773	ug/l	99
79) 2-Chlorotoluene	12.91	91	172184	19.708	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	222080	20.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	12051	16.227	ug/l	89
82) 4-Chlorotoluene	13.01	91	182999	19.842	ug/l	99
83) tert-Butylbenzene	13.23	119	182101	18.841	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	216881	19.719	ug/l	100
85) sec-Butylbenzene	13.40	105	262275	20.099	ug/l	100
86) p-Isopropyltoluene	13.52	119	248410	20.297	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	126070	19.829	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	120485	19.003	ug/l	95
89) n-Butylbenzene	13.85	91	220931	20.148	ug/l	99
90) Hexachloroethane	14.11	117	47847	19.602	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	105930	18.840	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6796	17.647	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	77944	18.811	ug/l	98
94) Hexachlorobutadiene	15.27	225	49132	20.136	ug/l	98
95) Naphthalene	15.41	128	119887	17.757	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	65684	17.957	ug/l	97

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

