

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066598.D
 Acq On : 09 Sep 2020 23:54
 Operator : VA/SY
 Sample : VD0909SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0909SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2020 10:47:03 AM

Quant Time: Sep 10 03:06:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	308596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	547166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	507098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	228905	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	226086	60.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.10%	
35) Dibromofluoromethane	7.91	113	206127	55.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.68%	
50) Toluene-d8	10.34	98	732294	55.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.02%	
62) 4-Bromofluorobenzene	12.63	95	247260	56.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	66640	24.110	ug/l	87
3) Chloromethane	2.21	50	88514	22.681	ug/l	98
4) Vinyl Chloride	2.35	62	98242	22.697	ug/l	95
5) Bromomethane	2.76	94	72851	24.282	ug/l	91
6) Chloroethane	2.91	64	64376	23.415	ug/l	95
7) Trichlorofluoromethane	3.27	101	142369	22.265	ug/l	97
8) Diethyl Ether	3.71	74	36315	22.553	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	74485	21.523	ug/l	100
10) Methyl Iodide	4.30	142	62413	22.204	ug/l	99
11) Tert butyl alcohol	5.21	59	31645	110.085	ug/l #	89
12) 1,1-Dichloroethene	4.06	96	69120	22.231	ug/l	98
13) Acrolein	3.91	56	13997	91.684	ug/l	91
14) Allyl chloride	4.71	41	114399	22.451	ug/l	97
15) Acrylonitrile	5.42	53	79065	114.306	ug/l	99
16) Acetone	4.16	43	67810	98.705	ug/l	97
17) Carbon Disulfide	4.41	76	225143	22.027	ug/l	97
18) Methyl Acetate	4.71	43	40713	24.860	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	168145	23.062	ug/l	94
20) Methylene Chloride	4.96	84	109957	26.222	ug/l	87
21) trans-1,2-Dichloroethene	5.47	96	82803	22.427	ug/l	99
22) Diisopropyl ether	6.36	45	250647	23.920	ug/l	96
23) Vinyl Acetate	6.30	43	695544	116.644	ug/l	99
24) 1,1-Dichloroethane	6.26	63	151526	22.995	ug/l	97
25) 2-Butanone	7.21	43	100888	109.398	ug/l	98
26) 2,2-Dichloropropane	7.21	77	123691	20.464	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	91882	23.142	ug/l	99
28) Bromochloromethane	7.54	49	54975	21.670	ug/l	98
29) Tetrahydrofuran	7.56	42	67308	117.191	ug/l	98
30) Chloroform	7.71	83	166112	23.828	ug/l	98
31) Cyclohexane	7.98	56	124850	20.497	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	144408	22.033	ug/l	100
36) 1,1-Dichloropropene	8.11	75	117148	20.573	ug/l	98
37) Ethyl Acetate	7.28	43	47362	20.888	ug/l	98
38) Carbon Tetrachloride	8.09	117	123242	20.476	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	123137	19.365	ug/l	95
40) Benzene	8.34	78	335089	21.486	ug/l	99
41) Methacrylonitrile	7.52	41	22224m	20.248	ug/l	
42) 1,2-Dichloroethane	8.42	62	109065	21.584	ug/l	99
43) Isopropyl Acetate	8.44	43	94702	21.794	ug/l	99
44) Trichloroethene	9.11	130	86419	21.125	ug/l	92
45) 1,2-Dichloropropane	9.38	63	84942	21.658	ug/l	94
46) Dibromomethane	9.47	93	47265	21.844	ug/l	97
47) Bromodichloromethane	9.66	83	127982	21.862	ug/l	97
48) Methyl methacrylate	9.45	41	40663	18.506	ug/l	88
49) 1,4-Dioxane	9.46	88	10563	444.971	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	245844	112.182	ug/l	97
52) Toluene	10.40	92	211701	21.444	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	109959	21.277	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	129688	20.897	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	60221	21.646	ug/l	95
56) Ethyl methacrylate	10.66	69	69353	21.410	ug/l	92
57) 1,3-Dichloropropane	10.94	76	106389	21.832	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	187361	126.454	ug/l	99
59) 2-Hexanone	10.98	43	156751	106.364	ug/l	100
60) Dibromochloromethane	11.14	129	82518	22.430	ug/l	97
61) 1,2-Dibromoethane	11.24	107	59315	21.914	ug/l	98
64) Tetrachloroethene	10.87	164	68696	20.120	ug/l	91
65) Chlorobenzene	11.67	112	219233	20.947	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	83023	20.785	ug/l	97
67) Ethyl Benzene	11.74	91	387750	20.177	ug/l	100
68) m/p-Xylenes	11.85	106	296771	41.590	ug/l	97
69) o-Xylene	12.18	106	132439	20.710	ug/l	98
70) Styrene	12.20	104	234045	21.052	ug/l	98
71) Bromoform	12.36	173	42811	21.267	ug/l #	96
73) Isopropylbenzene	12.48	105	360344	21.262	ug/l	100
74) N-amyl acetate	12.28	43	79442	20.696	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	68318	22.817	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	43569m	19.791	ug/l	
77) Bromobenzene	12.76	156	82737	21.897	ug/l	99
78) n-propylbenzene	12.82	91	444531	21.637	ug/l	99
79) 2-Chlorotoluene	12.91	91	254842	22.111	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	308664	21.639	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	19277	20.443	ug/l	98
82) 4-Chlorotoluene	13.00	91	268839	21.812	ug/l	100
83) tert-Butylbenzene	13.23	119	253902	21.797	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	308756	21.740	ug/l	97
85) sec-Butylbenzene	13.40	105	358935	21.388	ug/l	98
86) p-Isopropyltoluene	13.52	119	320068	21.189	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	162516	21.665	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	160259	21.286	ug/l	97
89) n-Butylbenzene	13.84	91	288698	19.613	ug/l	99
90) Hexachloroethane	14.11	117	69104	21.232	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	141331	21.556	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10354	20.357	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	81776	20.782	ug/l	99
94) Hexachlorobutadiene	15.27	225	48301	20.432	ug/l	98
95) Naphthalene	15.41	128	155087	22.555	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	74299	22.148	ug/l	95

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

