

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101521\
 Data File : VD070711.D
 Acq On : 15 Oct 2021 11:14
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:51:02 PM

Quant Time: Oct 18 08:07:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:06:41 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	426319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	726350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	678295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	326814	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	52061	10.31	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.62%#		
35) Dibromofluoromethane	7.909	113	48575	10.44	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.88%#		
50) Toluene-d8	10.332	98	170684	9.57	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	19.14%#		
62) 4-Bromofluorobenzene	12.620	95	59126	9.63	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.26%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	51466	10.33	ug/l	96
3) Chloromethane	2.209	50	76906	10.40	ug/l	99
4) Vinyl Chloride	2.350	62	77547	10.23	ug/l	96
5) Bromomethane	2.762	94	50653	10.96	ug/l	99
6) Chloroethane	2.921	64	49570	10.39	ug/l	92
7) Trichlorofluoromethane	3.268	101	92933	10.85	ug/l	100
8) Diethyl Ether	3.709	74	21002	9.20	ug/l	62
9) 1,1,2-Trichlorotrifluo...	4.091	101	53610	10.46	ug/l	95
10) Methyl Iodide	4.297	142	39442	8.41	ug/l	99
11) Tert butyl alcohol	5.215	59	15362	54.35	ug/l #	95
12) 1,1-Dichloroethene	4.068	96	45703	9.86	ug/l	90
13) Acrolein	3.915	56	14418	52.70	ug/l	96
14) Allyl chloride	4.715	41	83657	9.54	ug/l #	91
15) Acrylonitrile	5.420	53	58244	53.55	ug/l	97
16) Acetone	4.156	43	56657	46.52	ug/l	95
17) Carbon Disulfide	4.409	76	167097	9.90	ug/l	97
18) Methyl Acetate	4.715	43	42188	9.97	ug/l #	87
19) Methyl tert-butyl Ether	5.479	73	89434	8.93	ug/l	95
20) Methylene Chloride	4.962	84	91123	11.59	ug/l	86
21) trans-1,2-Dichloroethene	5.473	96	52352	9.85	ug/l	84
22) Diisopropyl ether	6.367	45	160838	9.42	ug/l #	95
23) Vinyl Acetate	6.303	43	350312m	46.16	ug/l	
24) 1,1-Dichloroethane	6.267	63	109019	10.25	ug/l	98
25) 2-Butanone	7.203	43	71247	47.35	ug/l #	74
26) 2,2-Dichloropropane	7.209	77	86344	10.26	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	55338	9.71	ug/l	87
28) Bromochloromethane	7.550	49	45604	10.78	ug/l	83
29) Tetrahydrofuran	7.556	42	43111	46.81	ug/l #	82
30) Chloroform	7.709	83	109002	10.49	ug/l	93
31) Cyclohexane	7.979	56	102098	9.99	ug/l #	92
32) 1,1,1-Trichloroethane	7.903	97	91003	10.32	ug/l #	94
36) 1,1-Dichloropropene	8.103	75	80035	9.89	ug/l	97
37) Ethyl Acetate	7.291	43	32709	9.76	ug/l	96
38) Carbon Tetrachloride	8.091	117	81261	10.49	ug/l	98
39) Methylcyclohexane	9.356	83	80526	8.82	ug/l #	85
40) Benzene	8.350	78	232788	9.99	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	19924	10.81	ug/l #	58
42) 1,2-Dichloroethane	8.420	62	68189	10.31	ug/l	95
43) Isopropyl Acetate	8.450	43	59171	9.25	ug/l #	94
44) Trichloroethene	9.108	130	54241	9.91	ug/l	95
45) 1,2-Dichloropropane	9.379	63	62238	10.11	ug/l	99
46) Dibromomethane	9.473	93	29902	10.14	ug/l	94
47) Bromodichloromethane	9.656	83	79432	10.16	ug/l #	97
48) Methyl methacrylate	9.450	41	28812	9.20	ug/l	87
49) 1,4-Dioxane	9.456	88	5730	180.99	ug/l #	71
51) 4-Methyl-2-Pentanone	10.220	43	157267	46.66	ug/l #	85
52) Toluene	10.397	92	134358	9.68	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	67137	9.61	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	80602	9.64	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	41122	10.15	ug/l	96
56) Ethyl methacrylate	10.655	69	39505	8.17	ug/l #	78
57) 1,3-Dichloropropane	10.938	76	71121	9.90	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	91989	43.13	ug/l	94
59) 2-Hexanone	10.973	43	107178	45.18	ug/l	85
60) Dibromochloromethane	11.132	129	46437	9.98	ug/l	97
61) 1,2-Dibromoethane	11.244	107	36829	9.94	ug/l	100
64) Tetrachloroethene	10.873	164	47801	10.49	ug/l	87
65) Chlorobenzene	11.661	112	135893	9.77	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.732	131	52413	10.18	ug/l	98
67) Ethyl Benzene	11.738	91	237899	9.35	ug/l	96
68) m/p-Xylenes	11.844	106	180884	18.77	ug/l	96
69) o-Xylene	12.173	106	79681	9.12	ug/l	99
70) Styrene	12.185	104	137641	9.06	ug/l	96
71) Bromoform	12.350	173	26666	9.98	ug/l #	96
73) Isopropylbenzene	12.467	105	209444	8.99	ug/l	100
74) N-amyl acetate	12.279	43	54697	9.02	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	47229	10.25	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	29473m	11.84	ug/l	
77) Bromobenzene	12.749	156	49135	9.32	ug/l	95
78) n-propylbenzene	12.808	91	281096	9.29	ug/l	99
79) 2-Chlorotoluene	12.897	91	167282	9.56	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	180826	9.19	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	12416	9.63	ug/l #	84
82) 4-Chlorotoluene	12.997	91	179046	9.68	ug/l	98
83) tert-Butylbenzene	13.208	119	149385	9.18	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	178589	9.12	ug/l	100
85) sec-Butylbenzene	13.391	105	239513	9.37	ug/l	99
86) p-Isopropyltoluene	13.502	119	186002	9.05	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	111092	10.04	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	109497	10.02	ug/l	96
89) n-Butylbenzene	13.832	91	186819	9.01	ug/l	99
90) Hexachloroethane	14.096	117	44589	10.05	ug/l	90
91) 1,2-Dichlorobenzene	13.873	146	93122	9.84	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.491	75	7777	10.59	ug/l	83
93) 1,2,4-Trichlorobenzene	15.143	180	51117	9.44	ug/l	95
94) Hexachlorobutadiene	15.255	225	34532	9.73	ug/l	97
95) Naphthalene	15.379	128	76813	8.36	ug/l	96
96) 1,2,3-Trichlorobenzene	15.573	180	43949	9.14	ug/l	98

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

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