

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101521\
 Data File : VD070712.D
 Acq On : 15 Oct 2021 11:42
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:51:04 PM

Quant Time: Oct 18 08:07:53 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	423882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	709675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	663292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	330754	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	103224	20.56	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	41.12%#		
35) Dibromofluoromethane	7.908	113	93297	20.53	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	41.06%#		
50) Toluene-d8	10.337	98	372141	21.36	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	42.72%#		
62) 4-Bromofluorobenzene	12.620	95	121015	20.18	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	40.36%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	96115	19.39	ug/l	94
3) Chloromethane	2.208	50	142928	19.44	ug/l	99
4) Vinyl Chloride	2.344	62	148582	19.72	ug/l	99
5) Bromomethane	2.750	94	88612	19.29	ug/l	96
6) Chloroethane	2.914	64	93612	19.73	ug/l #	87
7) Trichlorofluoromethane	3.267	101	168837	19.82	ug/l	93
8) Diethyl Ether	3.708	74	43103	18.99	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.085	101	100456	19.71	ug/l	97
10) Methyl Iodide	4.302	142	83131	17.83	ug/l	96
11) Tert butyl alcohol	5.220	59	26669	94.89	ug/l #	89
12) 1,1-Dichloroethene	4.067	96	88889	19.29	ug/l	93
13) Acrolein	3.926	56	26999	99.25	ug/l	99
14) Allyl chloride	4.714	41	163398	18.74	ug/l #	89
15) Acrylonitrile	5.414	53	113080	104.57	ug/l	99
16) Acetone	4.155	43	104247	86.09	ug/l	96
17) Carbon Disulfide	4.402	76	319027	19.00	ug/l	99
18) Methyl Acetate	4.714	43	80211	19.06	ug/l #	86
19) Methyl tert-butyl Ether	5.473	73	187024	18.77	ug/l	100
20) Methylene Chloride	4.961	84	146068	18.69	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	102915	19.47	ug/l	96
22) Diisopropyl ether	6.361	45	338968	19.96	ug/l	94
23) Vinyl Acetate	6.302	43	725627	96.17	ug/l #	93
24) 1,1-Dichloroethane	6.261	63	211348	19.98	ug/l	96
25) 2-Butanone	7.208	43	134636	90.00	ug/l #	88
26) 2,2-Dichloropropane	7.202	77	162791	19.46	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	106413	18.77	ug/l	85
28) Bromochloromethane	7.543	49	90000	21.40	ug/l	83
29) Tetrahydrofuran	7.561	42	82690	90.29	ug/l #	85
30) Chloroform	7.708	83	205595	19.89	ug/l	94
31) Cyclohexane	7.979	56	189542	18.66	ug/l #	84
32) 1,1,1-Trichloroethane	7.902	97	172505	19.67	ug/l	95
36) 1,1-Dichloropropene	8.108	75	156154	19.75	ug/l	97
37) Ethyl Acetate	7.290	43	63623	19.42	ug/l #	93
38) Carbon Tetrachloride	8.090	117	145257	19.18	ug/l	98
39) Methylcyclohexane	9.349	83	165127	18.52	ug/l #	80
40) Benzene	8.349	78	446828	19.62	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	32334m	17.95	ug/l	
42) 1,2-Dichloroethane	8.420	62	128131	19.83	ug/l	96
43) Isopropyl Acetate	8.449	43	119029	19.05	ug/l #	90
44) Trichloroethene	9.108	130	104943	19.63	ug/l	91
45) 1,2-Dichloropropane	9.379	63	120077	19.96	ug/l	98
46) Dibromomethane	9.467	93	56515	19.62	ug/l	95
47) Bromodichloromethane	9.655	83	151370	19.81	ug/l	99
48) Methyl methacrylate	9.449	41	55566	18.15	ug/l #	82
49) 1,4-Dioxane	9.455	88	11348	366.86	ug/l #	85
51) 4-Methyl-2-Pentanone	10.220	43	307927	93.50	ug/l	90
52) Toluene	10.396	92	268817	19.83	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	127513	18.68	ug/l	100
54) cis-1,3-Dichloropropene	10.084	75	157803	19.31	ug/l #	85
55) 1,1,2-Trichloroethane	10.790	97	77634	19.62	ug/l	95
56) Ethyl methacrylate	10.655	69	86362	18.29	ug/l #	82
57) 1,3-Dichloropropane	10.937	76	139559	19.88	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	197993	95.01	ug/l	96
59) 2-Hexanone	10.978	43	212526	91.69	ug/l	86
60) Dibromochloromethane	11.131	129	87832	19.32	ug/l	97
61) 1,2-Dibromoethane	11.237	107	69344	19.16	ug/l	100
64) Tetrachloroethene	10.873	164	87568	19.65	ug/l	95
65) Chlorobenzene	11.667	112	274282	20.16	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.737	131	99289	19.73	ug/l	96
67) Ethyl Benzene	11.737	91	484850	19.49	ug/l	100
68) m/p-Xylenes	11.849	106	377200	40.03	ug/l	95
69) o-Xylene	12.173	106	164354	19.23	ug/l	96
70) Styrene	12.184	104	297552	20.03	ug/l	97
71) Bromoform	12.355	173	50868	19.46	ug/l #	99
73) Isopropylbenzene	12.473	105	446424	18.94	ug/l	100
74) N-amyl acetate	12.278	43	113071	18.43	ug/l	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	89302	19.16	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	57044m	22.64	ug/l	
77) Bromobenzene	12.749	156	100439	18.82	ug/l	96
78) n-propylbenzene	12.814	91	594443	19.41	ug/l	96
79) 2-Chlorotoluene	12.896	91	339065	19.15	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	386500	19.40	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	22119	16.95	ug/l #	79
82) 4-Chlorotoluene	12.996	91	372694	19.90	ug/l	97
83) tert-Butylbenzene	13.214	119	307046	18.65	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	391819	19.78	ug/l	98
85) sec-Butylbenzene	13.390	105	504143	19.48	ug/l	99
86) p-Isopropyltoluene	13.502	119	397982	19.13	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	220883	19.71	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	220942	19.97	ug/l	100
89) n-Butylbenzene	13.831	91	395274	18.83	ug/l	97
90) Hexachloroethane	14.102	117	88238	19.66	ug/l	94
91) 1,2-Dichlorobenzene	13.878	146	189628	19.80	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.484	75	14487	19.48	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	102199	18.66	ug/l	97
94) Hexachlorobutadiene	15.249	225	70747	19.70	ug/l	98
95) Naphthalene	15.384	128	159966	17.20	ug/l	97
96) 1,2,3-Trichlorobenzene	15.572	180	88323	18.15	ug/l	98

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

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