

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
 Data File : VD069038.D
 Acq On : 03 May 2021 12:13
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/4/2021 5:35:17 PM

Quant Time: May 03 13:26:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 03 13:21:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	222143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	391159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	377357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	180781	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	54072	19.39	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	38.78%#		
35) Dibromofluoromethane	7.914	113	49037	19.29	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.58%#		
50) Toluene-d8	10.338	98	179954	19.65	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	39.30%#		
62) 4-Bromofluorobenzene	12.626	95	61417	19.87	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.74%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	56013	20.17	ug/l	96
3) Chloromethane	2.209	50	68123	19.41	ug/l	96
4) Vinyl Chloride	2.344	62	87908	20.14	ug/l	94
5) Bromomethane	2.738	94	45109	18.50	ug/l	91
6) Chloroethane	2.897	64	31934	14.75	ug/l	97
7) Trichlorofluoromethane	3.256	101	93190	19.12	ug/l	96
8) Diethyl Ether	3.709	74	23066	20.09	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.085	101	51511	19.23	ug/l	95
10) Methyl Iodide	4.291	142	40017	20.30	ug/l	90
11) Tert butyl alcohol	5.238	59	21469m	91.35	ug/l	
12) 1,1-Dichloroethene	4.056	96	46499	19.53	ug/l	88
13) Acrolein	3.921	56	18655	96.37	ug/l	92
14) Allyl chloride	4.703	41	56718	18.46	ug/l	88
15) Acrylonitrile	5.420	53	50720	98.41	ug/l	97
16) Acetone	4.168	43	47107	99.61	ug/l	88
17) Carbon Disulfide	4.403	76	154703	19.39	ug/l	100
18) Methyl Acetate	4.715	43	23048	19.44	ug/l	89
19) Methyl tert-butyl Ether	5.473	73	103385	19.71	ug/l #	91
20) Methylene Chloride	4.962	84	71541	17.90	ug/l #	92
21) trans-1,2-Dichloroethene	5.462	96	53247	19.07	ug/l	95
22) Diisopropyl ether	6.356	45	136796	20.27	ug/l	89
23) Vinyl Acetate	6.303	43	378159	101.85	ug/l	99
24) 1,1-Dichloroethane	6.262	63	94019	19.45	ug/l	97
25) 2-Butanone	7.209	43	61268	98.30	ug/l	99
26) 2,2-Dichloropropane	7.209	77	87427	19.61	ug/l	93
27) cis-1,2-Dichloroethene	7.214	96	58626	19.89	ug/l	95
28) Bromochloromethane	7.538	49	37989	18.70	ug/l	87
29) Tetrahydrofuran	7.562	42	38563	98.27	ug/l	89
30) Chloroform	7.709	83	103279	19.55	ug/l	100
31) Cyclohexane	7.985	56	79186	18.45	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	93181	19.20	ug/l	98
36) 1,1-Dichloropropene	8.109	75	75349	19.29	ug/l	98
37) Ethyl Acetate	7.285	43	30625	20.40	ug/l #	93
38) Carbon Tetrachloride	8.097	117	80500	19.11	ug/l	98
39) Methylcyclohexane	9.356	83	83131	19.30	ug/l	96
40) Benzene	8.350	78	217553	19.51	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	16251	19.74	ug/l #	21
42) 1,2-Dichloroethane	8.420	62	69549	19.48	ug/l	94
43) Isopropyl Acetate	8.450	43	55621	19.41	ug/l	92
44) Trichloroethene	9.108	130	55493	19.07	ug/l	98
45) 1,2-Dichloropropane	9.379	63	53289	19.39	ug/l	96
46) Dibromomethane	9.479	93	30952	19.19	ug/l	93
47) Bromodichloromethane	9.661	83	81983	19.18	ug/l #	98
48) Methyl methacrylate	9.456	41	24357	19.10	ug/l #	90
49) 1,4-Dioxane	9.461	88	6339	343.22	ug/l #	94
51) 4-Methyl-2-Pentanone	10.226	43	144969	100.46	ug/l	90
52) Toluene	10.403	92	136901	19.76	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	70055	19.20	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	80701	19.30	ug/l #	86
55) 1,1,2-Trichloroethane	10.797	97	41540	19.63	ug/l	90
56) Ethyl methacrylate	10.655	69	43623	20.12	ug/l #	80
57) 1,3-Dichloropropane	10.938	76	70646	19.48	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	121072	102.23	ug/l	95
59) 2-Hexanone	10.979	43	98374	101.41	ug/l	90
60) Dibromochloromethane	11.138	129	53865	19.77	ug/l	97
61) 1,2-Dibromoethane	11.244	107	40353	19.87	ug/l	96
64) Tetrachloroethene	10.879	164	45026	19.05	ug/l	95
65) Chlorobenzene	11.667	112	146441	19.04	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	58079	19.76	ug/l	98
67) Ethyl Benzene	11.744	91	260420	19.53	ug/l	100
68) m/p-Xylenes	11.850	106	198441	39.71	ug/l	98
69) o-Xylene	12.179	106	86142	19.30	ug/l	95
70) Styrene	12.191	104	155161	19.71	ug/l	94
71) Bromoform	12.355	173	29485	19.99	ug/l #	98
73) Isopropylbenzene	12.473	105	241071	19.79	ug/l	99
74) N-amyl acetate	12.285	43	53005	20.67	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.726	83	47460	19.38	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	37135m	22.40	ug/l	
77) Bromobenzene	12.755	156	55343	19.44	ug/l	88
78) n-propylbenzene	12.814	91	294459	19.66	ug/l	100
79) 2-Chlorotoluene	12.902	91	166738	19.76	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	210916	20.35	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	13779	18.92	ug/l	88
82) 4-Chlorotoluene	13.002	91	184166	20.06	ug/l	100
83) tert-Butylbenzene	13.220	119	168213	19.57	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	213879	20.40	ug/l	99
85) sec-Butylbenzene	13.397	105	244259	19.69	ug/l	98
86) p-Isopropyltoluene	13.508	119	222938	20.05	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	117597	20.01	ug/l	100
88) 1,4-Dichlorobenzene	13.591	146	114037	19.43	ug/l	96
89) n-Butylbenzene	13.838	91	212737	19.91	ug/l	98
90) Hexachloroethane	14.102	117	47030	20.10	ug/l	88
91) 1,2-Dichlorobenzene	13.885	146	99342	19.75	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	7845	18.92	ug/l	83
93) 1,2,4-Trichlorobenzene	15.155	180	60066	19.92	ug/l	99
94) Hexachlorobutadiene	15.261	225	32893	18.93	ug/l	94
95) Naphthalene	15.391	128	105062	19.41	ug/l	98
96) 1,2,3-Trichlorobenzene	15.591	180	53104	20.29	ug/l	99

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

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