

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122221\
 Data File : VD071429.D
 Acq On : 22 Dec 2021 19:21
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/24/2021
 Supervised By : Mahesh Dadoda 12/28/2021

Quant Time: Dec 23 07:18:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 07:15:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	355320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	603849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	562333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	264744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	98377	25.436	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	50.880%		
35) Dibromofluoromethane	7.908	113	83926	23.904	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	47.800%#		
50) Toluene-d8	10.332	98	311857	23.310	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	46.620%#		
62) 4-Bromofluorobenzene	12.626	95	111924	24.097	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	48.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	74853	26.591	ug/l	99
3) Chloromethane	2.209	50	98095	26.478	ug/l	95
4) Vinyl Chloride	2.350	62	119886	28.971	ug/l	96
5) Bromomethane	2.750	94	79002	26.500	ug/l	95
6) Chloroethane	2.915	64	77757	27.603	ug/l	93
7) Trichlorofluoromethane	3.267	101	142358	25.734	ug/l	100
8) Diethyl Ether	3.709	74	40959	27.159	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	81088	24.951	ug/l	96
10) Methyl Iodide	4.297	142	74116	23.162	ug/l	95
11) Tert butyl alcohol	5.209	59	46382	103.088	ug/l #	80
12) 1,1-Dichloroethene	4.062	96	72522	24.133	ug/l #	76
13) Acrolein	3.914	56	24182	92.761	ug/l	97
14) Allyl chloride	4.703	41	139142	24.518	ug/l #	80
15) Acrylonitrile	5.420	53	102633	138.728	ug/l	98
16) Acetone	4.156	43	113869	124.964	ug/l #	81
17) Carbon Disulfide	4.409	76	252962	28.318	ug/l	99
18) Methyl Acetate	4.720	43	73425	25.647	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	195533	26.391	ug/l	99
20) Methylene Chloride	4.961	84	113394	22.981	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	85860	25.413	ug/l	91
22) Diisopropyl ether	6.367	45	288130	25.291	ug/l	94
23) Vinyl Acetate	6.303	43	739688	136.110	ug/l	98
24) 1,1-Dichloroethane	6.261	63	163890	25.079	ug/l	98
25) 2-Butanone	7.208	43	137808	130.912	ug/l	92
26) 2,2-Dichloropropane	7.208	77	131545	22.302	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	97549	25.668	ug/l	94
28) Bromochloromethane	7.538	49	67201	23.685	ug/l	95
29) Tetrahydrofuran	7.555	42	86371	139.635	ug/l	94
30) Chloroform	7.702	83	170488	25.910	ug/l	96
31) Cyclohexane	7.985	56	157960	24.294	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	145668	24.802	ug/l	94
36) 1,1-Dichloropropene	8.108	75	130622	25.457	ug/l	98
37) Ethyl Acetate	7.285	43	61736	27.079	ug/l #	92
38) Carbon Tetrachloride	8.097	117	124989	24.788	ug/l	96
39) Methylcyclohexane	9.349	83	153383	24.888	ug/l	98
40) Benzene	8.350	78	348960	25.055	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	34842	25.776	ug/l #	74
42) 1,2-Dichloroethane	8.420	62	116798	27.164	ug/l	93
43) Isopropyl Acetate	8.450	43	120703	27.226	ug/l	90
44) Trichloroethene	9.108	130	89872	24.289	ug/l	99
45) 1,2-Dichloropropane	9.379	63	91155	24.977	ug/l	96
46) Dibromomethane	9.467	93	50383	26.250	ug/l	95
47) Bromodichloromethane	9.655	83	128557	25.542	ug/l #	97
48) Methyl methacrylate	9.449	41	59264	26.922	ug/l #	84
49) 1,4-Dioxane	9.455	88	12275	647.026	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	312503	138.943	ug/l	90
52) Toluene	10.396	92	223380	25.350	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	116863	25.343	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	138122	25.244	ug/l #	82
55) 1,1,2-Trichloroethane	10.791	97	65375	25.952	ug/l	96
56) Ethyl methacrylate	10.655	69	82820	26.046	ug/l #	73
57) 1,3-Dichloropropane	10.938	76	117236	26.603	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	208000	120.579	ug/l	100
59) 2-Hexanone	10.979	43	220833	134.943	ug/l	87
60) Dibromochloromethane	11.132	129	83197	26.615	ug/l	97
61) 1,2-Dibromoethane	11.238	107	64167	26.485	ug/l	99
64) Tetrachloroethene	10.867	164	77247	23.931	ug/l	97
65) Chlorobenzene	11.661	112	226971	24.130	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	82376	23.968	ug/l	98
67) Ethyl Benzene	11.738	91	420521	23.825	ug/l	99
68) m/p-Xylenes	11.843	106	325461	48.747	ug/l	98
69) o-Xylene	12.173	106	147478	23.559	ug/l	96
70) Styrene	12.185	104	254325	24.120	ug/l	96
71) Bromoform	12.349	173	47061	26.055	ug/l #	100
73) Isopropylbenzene	12.467	105	396069	23.136	ug/l	100
74) N-amyl acetate	12.279	43	107010	25.333	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	74932	26.062	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	60563m	25.545	ug/l	
77) Bromobenzene	12.749	156	87340	23.411	ug/l	95
78) n-propylbenzene	12.808	91	504594	23.636	ug/l	99
79) 2-Chlorotoluene	12.896	91	276199	23.016	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	331882	23.515	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	21815	25.122	ug/l #	77
82) 4-Chlorotoluene	12.996	91	293516	23.532	ug/l	100
83) tert-Butylbenzene	13.214	119	281485	23.217	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	323772	23.510	ug/l	100
85) sec-Butylbenzene	13.390	105	432148	23.347	ug/l	100
86) p-Isopropyltoluene	13.502	119	358599	23.699	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	180377	24.342	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	179273	24.320	ug/l	99
89) n-Butylbenzene	13.832	91	349183	23.706	ug/l	97
90) Hexachloroethane	14.096	117	65674	22.986	ug/l	93
91) 1,2-Dichlorobenzene	13.873	146	153886	24.328	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12777	26.915	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	93880	23.941	ug/l	99
94) Hexachlorobutadiene	15.249	225	50977	23.114	ug/l	98
95) Naphthalene	15.379	128	180926	25.837	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	81244	24.329	ug/l	96

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

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