

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122221\
 Data File : VD071428.D
 Acq On : 22 Dec 2021 18:53
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Quant Time: Dec 23 07:17:23 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	362580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	611901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	560558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	255580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	45755	11.593	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	23.180%#		
35) Dibromofluoromethane	7.914	113	39981	11.238	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	22.480%#		
50) Toluene-d8	10.332	98	148402	10.947	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	21.900%#		
62) 4-Bromofluorobenzene	12.626	95	53566	11.381	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	22.760%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	41351	14.395	ug/l	95
3) Chloromethane	2.209	50	51912	13.732	ug/l	100
4) Vinyl Chloride	2.350	62	61044	14.456	ug/l	97
5) Bromomethane	2.768	94	43834	14.409	ug/l	92
6) Chloroethane	2.920	64	42593	14.817	ug/l	88
7) Trichlorofluoromethane	3.273	101	73819	13.077	ug/l	86
8) Diethyl Ether	3.715	74	20770	13.496	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.091	101	45507	13.722	ug/l	95
10) Methyl Iodide	4.291	142	36533	11.188	ug/l	95
11) Tert butyl alcohol	5.191	59	29213	63.628	ug/l #	76
12) 1,1-Dichloroethene	4.067	96	38867	12.675	ug/l #	74
13) Acrolein	3.920	56	10894	40.952	ug/l	100
14) Allyl chloride	4.715	41	73554	12.701	ug/l #	81
15) Acrylonitrile	5.409	53	49329	65.342	ug/l	96
16) Acetone	4.162	43	53364	57.391	ug/l #	83
17) Carbon Disulfide	4.409	76	135911	14.910	ug/l	99
18) Methyl Acetate	4.715	43	36494	12.492	ug/l	95
19) Methyl tert-butyl Ether	5.485	73	94799	12.539	ug/l	99
20) Methylene Chloride	4.962	84	68599	13.624	ug/l #	86
21) trans-1,2-Dichloroethene	5.473	96	46193	13.399	ug/l #	84
22) Diisopropyl ether	6.361	45	146596	12.610	ug/l #	89
23) Vinyl Acetate	6.303	43	354551	63.935	ug/l	97
24) 1,1-Dichloroethane	6.261	63	88582	13.284	ug/l	95
25) 2-Butanone	7.208	43	67098	62.464	ug/l #	87
26) 2,2-Dichloropropane	7.203	77	70133	11.652	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	48034	12.386	ug/l	90
28) Bromochloromethane	7.544	49	33240	11.481	ug/l	92
29) Tetrahydrofuran	7.556	42	42593	67.481	ug/l	94
30) Chloroform	7.708	83	86258	12.847	ug/l	100
31) Cyclohexane	7.985	56	90305	13.610	ug/l #	89
32) 1,1,1-Trichloroethane	7.903	97	75920	12.667	ug/l #	93
36) 1,1-Dichloropropene	8.114	75	70634	13.585	ug/l	96
37) Ethyl Acetate	7.291	43	30187	13.066	ug/l #	94
38) Carbon Tetrachloride	8.091	117	66851	13.084	ug/l	98
39) Methylcyclohexane	9.350	83	81201	13.002	ug/l	98
40) Benzene	8.350	78	187557	13.289	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	16871	12.317	ug/l #	79
42) 1,2-Dichloroethane	8.420	62	58696	13.471	ug/l	94
43) Isopropyl Acetate	8.450	43	58536	13.030	ug/l #	89
44) Trichloroethene	9.114	130	48243	12.867	ug/l	100
45) 1,2-Dichloropropane	9.379	63	46974	12.702	ug/l	93
46) Dibromomethane	9.467	93	25453	13.087	ug/l	93
47) Bromodichloromethane	9.655	83	66294	12.998	ug/l	98
48) Methyl methacrylate	9.450	41	27879	12.498	ug/l #	84
49) 1,4-Dioxane	9.455	88	5803	301.856	ug/l #	91
51) 4-Methyl-2-Pentanone	10.220	43	150526	66.045	ug/l	90
52) Toluene	10.397	92	115660	12.953	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	57358	12.275	ug/l	94
54) cis-1,3-Dichloropropene	10.079	75	71718	12.935	ug/l #	86
55) 1,1,2-Trichloroethane	10.797	97	32011	12.540	ug/l	97
56) Ethyl methacrylate	10.655	69	39017	12.109	ug/l #	70
57) 1,3-Dichloropropane	10.938	76	59669	13.362	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	89233	51.048	ug/l	98
59) 2-Hexanone	10.979	43	101757	61.362	ug/l	85
60) Dibromochloromethane	11.132	129	39058	12.330	ug/l	94
61) 1,2-Dibromoethane	11.238	107	31459	12.814	ug/l	98
64) Tetrachloroethene	10.867	164	42007	13.055	ug/l	96
65) Chlorobenzene	11.661	112	120341	12.834	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	41563	12.132	ug/l	97
67) Ethyl Benzene	11.738	91	216894	12.327	ug/l	99
68) m/p-Xylenes	11.844	106	166147	24.964	ug/l	98
69) o-Xylene	12.173	106	73349	11.754	ug/l	95
70) Styrene	12.185	104	128120	12.189	ug/l	99
71) Bromoform	12.349	173	21668	12.034	ug/l #	97
73) Isopropylbenzene	12.467	105	205776	12.451	ug/l	98
74) N-amyl acetate	12.279	43	49684	12.183	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	37746	13.599	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	31458m	13.745	ug/l	
77) Bromobenzene	12.749	156	46995	13.049	ug/l	96
78) n-propylbenzene	12.808	91	262523	12.738	ug/l	98
79) 2-Chlorotoluene	12.896	91	144084	12.437	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	167208	12.272	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	9786	11.673	ug/l #	69
82) 4-Chlorotoluene	12.996	91	147047	12.212	ug/l	100
83) tert-Butylbenzene	13.214	119	143011	12.219	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	164435	12.368	ug/l	98
85) sec-Butylbenzene	13.391	105	220873	12.361	ug/l	98
86) p-Isopropyltoluene	13.502	119	178747	12.236	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	92906	12.987	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	91455	12.852	ug/l	96
89) n-Butylbenzene	13.832	91	177124	12.456	ug/l	96
90) Hexachloroethane	14.102	117	35654	12.926	ug/l	88
91) 1,2-Dichlorobenzene	13.879	146	77007	12.611	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	5673	12.379	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	48271	12.751	ug/l	94
94) Hexachlorobutadiene	15.249	225	25679	12.061	ug/l	96
95) Naphthalene	15.385	128	81023	11.985	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	40807	12.658	ug/l	98

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

