

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120821\
 Data File : VD071217.D
 Acq On : 08 Dec 2021 20:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/09/2021
 Supervised By : Mahesh Dadoda 12/10/2021

Quant Time: Dec 09 10:20:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						12/09/2021
1) Pentafluorobenzene	7.979	168	246907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	422687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	393571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	185941	50.000	ug/l	0.00
System Monitoring Compounds						12/10/2021
33) 1,2-Dichloroethane-d4	8.332	65	159343	55.000	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.000%
35) Dibromofluoromethane	7.914	113	149606	55.582	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.160%
50) Toluene-d8	10.338	98	522495	51.010	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.020%
62) 4-Bromofluorobenzene	12.626	95	195208	54.979	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.960%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	84336	40.054	ug/l	93
3) Chloromethane	2.215	50	133480	47.919	ug/l	98
4) Vinyl Chloride	2.356	62	150159	48.318	ug/l	98
5) Bromomethane	2.773	94	112934	50.410	ug/l	100
6) Chloroethane	2.932	64	108036	50.544	ug/l	100
7) Trichlorofluoromethane	3.279	101	205621	48.841	ug/l	96
8) Diethyl Ether	3.709	74	62262	54.553	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.103	101	123176	49.592	ug/l	99
10) Methyl Iodide	4.309	142	113377	40.245	ug/l	96
11) Tert butyl alcohol	5.208	59	49276	268.611	ug/l #	80
12) 1,1-Dichloroethene	4.073	96	108083	47.154	ug/l	85
13) Acrolein	3.920	56	36923	186.496	ug/l	96
14) Allyl chloride	4.720	41	209758	48.179	ug/l #	79
15) Acrylonitrile	5.426	53	166510	299.988	ug/l	95
16) Acetone	4.156	43	185194	241.871	ug/l #	86
17) Carbon Disulfide	4.414	76	295576	44.044	ug/l #	94
18) Methyl Acetate	4.720	43	117291	54.871	ug/l	95
19) Methyl tert-butyl Ether	5.485	73	306601	54.580	ug/l	100
20) Methylene Chloride	4.973	84	145442	49.726	ug/l	92
21) trans-1,2-Dichloroethene	5.479	96	127832	49.544	ug/l	90
22) Diisopropyl ether	6.367	45	478750	54.884	ug/l	95
23) Vinyl Acetate	6.308	43	1179174	249.980	ug/l	98
24) 1,1-Dichloroethane	6.267	63	268466	53.509	ug/l	99
25) 2-Butanone	7.208	43	222829	250.698	ug/l #	89
26) 2,2-Dichloropropane	7.214	77	209445	45.908	ug/l	97
27) cis-1,2-Dichloroethene	7.214	96	160062	54.834	ug/l	94
28) Bromochloromethane	7.550	49	120648	55.364	ug/l	90
29) Tetrahydrofuran	7.561	42	135187	293.858	ug/l	95
30) Chloroform	7.708	83	276779	54.968	ug/l	97
31) Cyclohexane	7.985	56	219343	44.509	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	232919	51.522	ug/l	93
36) 1,1-Dichloropropene	8.108	75	192768	48.795	ug/l	98
37) Ethyl Acetate	7.285	43	97288	57.010	ug/l	94
38) Carbon Tetrachloride	8.097	117	201051	51.627	ug/l	94
39) Methylcyclohexane	9.355	83	223073	46.946	ug/l	97
40) Benzene	8.350	78	549375	51.196	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.520	41	53662	61.903	ug/l	#	88
42) 1,2-Dichloroethane	8.426	62	181522	55.417	ug/l		93
43) Isopropyl Acetate	8.449	43	190745	50.715	ug/l		90
44) Trichloroethene	9.108	130	141745	49.542	ug/l		96
45) 1,2-Dichloropropane	9.385	63	148214	52.521	ug/l		95
46) Dibromomethane	9.473	93	82300	56.212	ug/l		95
47) Bromodichloromethane	9.661	83	213531	55.147	ug/l		98
48) Methyl methacrylate	9.449	41	85808	51.370	ug/l	#	82
49) 1,4-Dioxane	9.467	88	16600	1174.540	ug/l		96
51) 4-Methyl-2-Pentanone	10.220	43	495229	256.453	ug/l		91
52) Toluene	10.402	92	354316	52.039	ug/l		97
53) t-1,3-Dichloropropene	10.614	75	188409	52.924	ug/l		98
54) cis-1,3-Dichloropropene	10.085	75	225588	53.347	ug/l	#	81
55) 1,1,2-Trichloroethane	10.796	97	108452	56.465	ug/l		94
56) Ethyl methacrylate	10.655	69	137318	49.702	ug/l	#	73
57) 1,3-Dichloropropane	10.938	76	191563	56.774	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.938	63	359863	275.335	ug/l		99
59) 2-Hexanone	10.979	43	346392	240.433	ug/l		89
60) Dibromochloromethane	11.132	129	138718	58.111	ug/l		97
61) 1,2-Dibromoethane	11.243	107	102716	55.683	ug/l		99
64) Tetrachloroethene	10.873	164	119095	47.665	ug/l		95
65) Chlorobenzene	11.667	112	369608	50.614	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.738	131	140332	52.632	ug/l		99
67) Ethyl Benzene	11.738	91	686391	49.930	ug/l		99
68) m/p-Xylenes	11.849	106	520811	100.350	ug/l		96
69) o-Xylene	12.173	106	249013	51.049	ug/l		98
70) Styrene	12.190	104	431409	52.476	ug/l		98
71) Bromoform	12.355	173	75458	54.628	ug/l	#	99
73) Isopropylbenzene	12.473	105	661751	49.151	ug/l		100
74) N-amyl acetate	12.279	43	172412	47.141	ug/l		89
75) 1,1,2,2-Tetrachloroethane	12.726	83	121008	54.577	ug/l		97
76) 1,2,3-Trichloropropane	12.773	75	102507m	57.862	ug/l		
77) Bromobenzene	12.755	156	147485	50.574	ug/l		97
78) n-propylbenzene	12.814	91	816297	48.685	ug/l		98
79) 2-Chlorotoluene	12.896	91	464339	49.343	ug/l		99
80) 1,3,5-Trimethylbenzene	12.949	105	548231	49.380	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.520	75	33718	45.149	ug/l	#	76
82) 4-Chlorotoluene	12.996	91	480365	49.169	ug/l		100
83) tert-Butylbenzene	13.214	119	462382	48.495	ug/l		95
84) 1,2,4-Trimethylbenzene	13.261	105	540689	49.882	ug/l		98
85) sec-Butylbenzene	13.390	105	710485	48.787	ug/l		99
86) p-Isopropyltoluene	13.508	119	592039	49.706	ug/l		98
87) 1,3-Dichlorobenzene	13.508	146	290666	50.070	ug/l		99
88) 1,4-Dichlorobenzene	13.585	146	288293	50.126	ug/l		99
89) n-Butylbenzene	13.832	91	569293	48.962	ug/l		98
90) Hexachloroethane	14.096	117	111391	49.334	ug/l		96
91) 1,2-Dichlorobenzene	13.879	146	257496	52.159	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	18865	52.247	ug/l		96
93) 1,2,4-Trichlorobenzene	15.143	180	152306	49.460	ug/l		96
94) Hexachlorobutadiene	15.249	225	82261	47.213	ug/l		99
95) Naphthalene	15.384	128	292423	53.868	ug/l		100
96) 1,2,3-Trichlorobenzene	15.579	180	130004	49.706	ug/l		98

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

12/09/2021
 Supervised By :Mahesh
 Dadoda

12/10/2021

