

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071374.D
 Acq On : 16 Dec 2021 18:58
 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 12/17/2021
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 17 00:39:23 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						
1) Pentafluorobenzene	7.973	168	241597	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	416987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	405545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	212196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	159308	56.196	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.400%
35) Dibromofluoromethane	7.914	113	142821	53.787	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.580%
50) Toluene-d8	10.332	98	481257	47.626	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.260%
62) 4-Bromofluorobenzene	12.620	95	194249	55.456	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.920%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	89530	43.455	ug/l	99
3) Chloromethane	2.209	50	147456	54.099	ug/l	96
4) Vinyl Chloride	2.350	62	184300	60.607	ug/l	99
5) Bromomethane	2.762	94	126140	57.543	ug/l	100
6) Chloroethane	2.921	64	136623	65.323	ug/l	91
7) Trichlorofluoromethane	3.273	101	219495	53.283	ug/l	95
8) Diethyl Ether	3.709	74	64060	57.362	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	132794	54.639	ug/l	96
10) Methyl Iodide	4.297	142	120301	43.257	ug/l	94
11) Tert butyl alcohol	5.209	59	60792	351.273	ug/l #	94
12) 1,1-Dichloroethene	4.068	96	114558	51.077	ug/l	87
13) Acrolein	3.921	56	52475	270.874	ug/l	94
14) Allyl chloride	4.715	41	233776	54.875	ug/l #	81
15) Acrylonitrile	5.415	53	179650	330.775	ug/l	94
16) Acetone	4.150	43	226858	295.040	ug/l #	83
17) Carbon Disulfide	4.409	76	288912	43.997	ug/l	100
18) Methyl Acetate	4.709	43	133431	63.793	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	338910	61.658	ug/l	95
20) Methylene Chloride	4.962	84	157930	55.682	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	132241	52.379	ug/l	87
22) Diisopropyl ether	6.362	45	533901	62.552	ug/l	95
23) Vinyl Acetate	6.303	43	1286124	275.524	ug/l	96
24) 1,1-Dichloroethane	6.267	63	287235	58.508	ug/l	98
25) 2-Butanone	7.209	43	266497	300.114	ug/l	91
26) 2,2-Dichloropropane	7.203	77	227485	50.958	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	164393	57.555	ug/l	93
28) Bromochloromethane	7.550	49	122600	57.496	ug/l	89
29) Tetrahydrofuran	7.556	42	154077	342.281	ug/l	93
30) Chloroform	7.703	83	299494	60.787	ug/l	100
31) Cyclohexane	7.979	56	231050	47.915	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	253953	57.410	ug/l #	94
36) 1,1-Dichloropropene	8.109	75	205313	52.681	ug/l	97
37) Ethyl Acetate	7.291	43	106060	63.000	ug/l #	94
38) Carbon Tetrachloride	8.091	117	218095	56.770	ug/l	96
39) Methylcyclohexane	9.350	83	227826	48.602	ug/l	96
40) Benzene	8.344	78	588655	55.606	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	64477	71.428	ug/l #	77
42) 1,2-Dichloroethane	8.420	62	198535	61.440	ug/l	94
43) Isopropyl Acetate	8.450	43	211830	56.434	ug/l #	89
44) Trichloroethene	9.108	130	150845	53.443	ug/l	94
45) 1,2-Dichloropropane	9.379	63	163759	58.822	ug/l	99
46) Dibromomethane	9.467	93	88371	61.183	ug/l	95
47) Bromodichloromethane	9.656	83	239143	62.606	ug/l	99
48) Methyl methacrylate	9.456	41	94462	57.324	ug/l #	81
49) 1,4-Dioxane	9.456	88	19409	1392.065	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	577636	297.627	ug/l	89
52) Toluene	10.397	92	372186	55.411	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	206844	58.897	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	237956	57.041	ug/l #	83
55) 1,1,2-Trichloroethane	10.791	97	121962	64.367	ug/l	96
56) Ethyl methacrylate	10.655	69	154047	55.701	ug/l #	77
57) 1,3-Dichloropropane	10.938	76	214273	64.373	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	356694	276.641	ug/l	99
59) 2-Hexanone	10.979	43	413536	283.696	ug/l	90
60) Dibromochloromethane	11.132	129	153531	65.195	ug/l	98
61) 1,2-Dibromoethane	11.238	107	113104	62.153	ug/l	100
64) Tetrachloroethene	10.873	164	125756	48.845	ug/l	97
65) Chlorobenzene	11.661	112	404787	53.795	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	155491	56.596	ug/l	99
67) Ethyl Benzene	11.738	91	737375	52.055	ug/l	100
68) m/p-Xylenes	11.844	106	558423	104.420	ug/l	94
69) o-Xylene	12.173	106	269072	53.533	ug/l	96
70) Styrene	12.185	104	477411	56.357	ug/l	98
71) Bromoform	12.349	173	88339	62.065	ug/l #	98
73) Isopropylbenzene	12.473	105	723632	47.097	ug/l	100
74) N-amyl acetate	12.279	43	200379	47.904	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	142158	56.183	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	111904m	55.351	ug/l	
77) Bromobenzene	12.749	156	161943	48.661	ug/l	96
78) n-propylbenzene	12.808	91	913951	47.765	ug/l	99
79) 2-Chlorotoluene	12.897	91	508290	47.330	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	615300	48.563	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.514	75	37310	43.953	ug/l #	74
82) 4-Chlorotoluene	12.996	91	531412	47.664	ug/l	97
83) tert-Butylbenzene	13.214	119	524388	48.193	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	616442	49.834	ug/l	98
85) sec-Butylbenzene	13.391	105	806772	48.545	ug/l	100
86) p-Isopropyltoluene	13.502	119	672108	49.446	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	341651	51.571	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	328737	50.085	ug/l	97
89) n-Butylbenzene	13.832	91	653788	49.272	ug/l	97
90) Hexachloroethane	14.096	117	130401	50.607	ug/l	93
91) 1,2-Dichlorobenzene	13.873	146	298288	52.946	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	23570	57.201	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	180353	51.321	ug/l	100
94) Hexachlorobutadiene	15.249	225	93113	46.829	ug/l	96
95) Naphthalene	15.379	128	342117	55.225	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	157924	52.910	ug/l	98

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

