

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121421\
 Data File : VD071309.D
 Acq On : 14 Dec 2021 09:08
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 15 08:23:51 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

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/15/2021
 Supervised By :Mahesh Dadoda 12/17/2021

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	217046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	363785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	345732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	174169	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.326	65	145333	57.065	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.140%	
35) Dibromofluoromethane	7.909	113	132340	57.128	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.260%	
50) Toluene-d8	10.332	98	459705	52.147	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.300%	
62) 4-Bromofluorobenzene	12.620	95	169757	55.552	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.100%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.991	85	77270	41.747	ug/l	99
3) Chloromethane	2.209	50	128945	52.659	ug/l	99
4) Vinyl Chloride	2.350	62	141879	51.934	ug/l	99
5) Bromomethane	2.768	94	100294	50.927	ug/l	99
6) Chloroethane	2.926	64	111341	59.257	ug/l	89
7) Trichlorofluoromethane	3.279	101	181600	49.070	ug/l	97
8) Diethyl Ether	3.715	74	51584	51.415	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	110189	50.467	ug/l	94
10) Methyl Iodide	4.303	142	90189	36.852	ug/l	93
11) Tert butyl alcohol	5.209	59	46561	293.201	ug/l	95
12) 1,1-Dichloroethene	4.068	96	93672	46.489	ug/l #	79
13) Acrolein	3.921	56	32538	186.958	ug/l	94
14) Allyl chloride	4.715	41	193541	50.570	ug/l #	80
15) Acrylonitrile	5.415	53	145958	299.139	ug/l	98
16) Acetone	4.156	43	191495	279.080	ug/l #	88
17) Carbon Disulfide	4.415	76	256893	43.546	ug/l	100
18) Methyl Acetate	4.715	43	109094	58.058	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	270456	54.770	ug/l	95
20) Methylene Chloride	4.962	84	133803	52.252	ug/l	90
21) trans-1,2-Dichloroethene	5.479	96	113226	49.920	ug/l	91
22) Diisopropyl ether	6.362	45	424796	55.399	ug/l	92
23) Vinyl Acetate	6.303	43	1043394	251.448	ug/l	96
24) 1,1-Dichloroethane	6.267	63	238615	54.103	ug/l	99
25) 2-Butanone	7.209	43	215834	273.347	ug/l #	85
26) 2,2-Dichloropropane	7.209	77	197834	49.329	ug/l	97
27) cis-1,2-Dichloroethene	7.214	96	138932	54.143	ug/l	94
28) Bromochloromethane	7.544	49	113545	59.273	ug/l	89
29) Tetrahydrofuran	7.556	42	119268	294.923	ug/l	94
30) Chloroform	7.709	83	249144	56.287	ug/l	95
31) Cyclohexane	7.985	56	194577	44.916	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	216387	54.451	ug/l	95
36) 1,1-Dichloropropene	8.114	75	176769	51.990	ug/l	96
37) Ethyl Acetate	7.291	43	83771	57.038	ug/l #	93
38) Carbon Tetrachloride	8.097	117	179043	53.420	ug/l	94
39) Methylcyclohexane	9.350	83	188946	46.203	ug/l	99
40) Benzene	8.350	78	491426	53.211	ug/l	99

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41) Methacrylonitrile	7.514	41	56549	71.697	ug/l	#	72
42) 1,2-Dichloroethane	8.420	62	162138	57.514	ug/l		94
43) Isopropyl Acetate	8.450	43	169549	52.207	ug/l	#	89
44) Trichloroethene	9.108	130	125868	51.116	ug/l		94
45) 1,2-Dichloropropane	9.385	63	139739	57.535	ug/l		99
46) Dibromomethane	9.467	93	71194	56.499	ug/l		96
47) Bromodichloromethane	9.656	83	193904	58.187	ug/l		99
48) Methyl methacrylate	9.450	41	75018	52.182	ug/l	#	81
49) 1,4-Dioxane	9.461	88	15513	1275.351	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.220	43	445496	266.666	ug/l		90
52) Toluene	10.397	92	316211	53.963	ug/l		98
53) t-1,3-Dichloropropene	10.614	75	172831	56.409	ug/l		96
54) cis-1,3-Dichloropropene	10.085	75	200561	55.108	ug/l	#	81
55) 1,1,2-Trichloroethane	10.797	97	95962	58.052	ug/l		95
56) Ethyl methacrylate	10.655	69	118428	49.793	ug/l	#	73
57) 1,3-Dichloropropane	10.938	76	172220	59.306	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.938	63	324894	288.829	ug/l		98
59) 2-Hexanone	10.979	43	332851	264.414	ug/l		88
60) Dibromochloromethane	11.132	129	120971	58.881	ug/l		99
61) 1,2-Dibromoethane	11.238	107	90917	57.267	ug/l		98
64) Tetrachloroethene	10.867	164	102325	46.620	ug/l		97
65) Chlorobenzene	11.661	112	333084	51.924	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.738	131	127872	54.595	ug/l		97
67) Ethyl Benzene	11.738	91	621845	51.494	ug/l		100
68) m/p-Xylenes	11.844	106	468152	102.685	ug/l		95
69) o-Xylene	12.173	106	218616	51.019	ug/l		96
70) Styrene	12.185	104	385472	53.376	ug/l		98
71) Bromoform	12.355	173	68575	56.514	ug/l	#	99
73) Isopropylbenzene	12.473	105	595665	47.233	ug/l		100
74) N-amyl acetate	12.279	43	157100	46.013	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	111018	53.456	ug/l		98
76) 1,2,3-Trichloropropane	12.773	75	91640m	55.225	ug/l		
77) Bromobenzene	12.749	156	132373	48.460	ug/l		97
78) n-propylbenzene	12.808	91	747020	47.565	ug/l		100
79) 2-Chlorotoluene	12.897	91	421996	47.874	ug/l		99
80) 1,3,5-Trimethylbenzene	12.949	105	502741	48.343	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.514	75	32542	46.345	ug/l	#	80
82) 4-Chlorotoluene	12.997	91	435744	47.617	ug/l		100
83) tert-Butylbenzene	13.214	119	422248	47.278	ug/l		96
84) 1,2,4-Trimethylbenzene	13.255	105	509131	50.145	ug/l		97
85) sec-Butylbenzene	13.391	105	657141	48.174	ug/l		100
86) p-Isopropyltoluene	13.502	119	543558	48.720	ug/l		98
87) 1,3-Dichlorobenzene	13.502	146	274231	50.432	ug/l		98
88) 1,4-Dichlorobenzene	13.585	146	272884	50.653	ug/l		99
89) n-Butylbenzene	13.832	91	522807	48.003	ug/l		99
90) Hexachloroethane	14.096	117	106473	50.343	ug/l		94
91) 1,2-Dichlorobenzene	13.879	146	236569	51.159	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	18447	54.543	ug/l		97
93) 1,2,4-Trichlorobenzene	15.143	180	141824	49.169	ug/l		97
94) Hexachlorobutadiene	15.255	225	75091	46.011	ug/l		98
95) Naphthalene	15.385	128	265893	52.292	ug/l		99
96) 1,2,3-Trichlorobenzene	15.579	180	122436	49.976	ug/l		97

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

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