

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120721\
 Data File : VD071174.D
 Acq On : 07 Dec 2021 09:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/08/2021
 Supervised By :Amit Patel 12/08/2021

Quant Time: Dec 08 02:45:58 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	7.979	168	301210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	509142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	460526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	216125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	161905	45.809	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.620%		
35) Dibromofluoromethane	7.909	113	152356	46.992	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.980%		
50) Toluene-d8	10.338	98	552100	44.748	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.500%		
62) 4-Bromofluorobenzene	12.626	95	199572	46.663	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.320%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	111929	43.575	ug/l	94
3) Chloromethane	2.215	50	158525	46.650	ug/l	98
4) Vinyl Chloride	2.356	62	185273	48.869	ug/l	98
5) Bromomethane	2.774	94	134694	49.284	ug/l	96
6) Chloroethane	2.926	64	133358	51.143	ug/l	94
7) Trichlorofluoromethane	3.279	101	262977	51.204	ug/l	97
8) Diethyl Ether	3.709	74	73414	52.728	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	158060	52.164	ug/l	96
10) Methyl Iodide	4.303	142	165305	47.209	ug/l	98
11) Tert butyl alcohol	5.209	59	60861	272.746	ug/l #	92
12) 1,1-Dichloroethene	4.073	96	141190	50.493	ug/l	84
13) Acrolein	3.926	56	41920	173.563	ug/l	98
14) Allyl chloride	4.720	41	280794	52.867	ug/l #	81
15) Acrylonitrile	5.420	53	181831	268.532	ug/l	96
16) Acetone	4.156	43	226691	242.587	ug/l	93
17) Carbon Disulfide	4.415	76	390227	47.665	ug/l	99
18) Methyl Acetate	4.715	43	132073	50.647	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	372952	54.423	ug/l	97
20) Methylene Chloride	4.968	84	173206	48.434	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	167250	53.135	ug/l	86
22) Diisopropyl ether	6.362	45	600512	56.432	ug/l	93
23) Vinyl Acetate	6.303	43	1389427	242.379	ug/l	97
24) 1,1-Dichloroethane	6.267	63	336251	54.937	ug/l	99
25) 2-Butanone	7.209	43	257127	238.667	ug/l	93
26) 2,2-Dichloropropane	7.209	77	289726	52.056	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	196523	55.187	ug/l	92
28) Bromochloromethane	7.544	49	138261	52.008	ug/l	95
29) Tetrahydrofuran	7.561	42	148767	265.078	ug/l	93
30) Chloroform	7.709	83	341354	55.571	ug/l	98
31) Cyclohexane	7.985	56	288938	48.061	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	302621	54.872	ug/l	94
36) 1,1-Dichloropropene	8.109	75	258302	54.281	ug/l	97
37) Ethyl Acetate	7.291	43	107196	52.150	ug/l #	93
38) Carbon Tetrachloride	8.097	117	261349	55.715	ug/l	94
39) Methylcyclohexane	9.350	83	296396	51.785	ug/l	97
40) Benzene	8.350	78	700694	54.209	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	70775	66.166	ug/l #	74
42) 1,2-Dichloroethane	8.420	62	216847	54.960	ug/l	94
43) Isopropyl Acetate	8.450	43	215097	47.812	ug/l	90
44) Trichloroethene	9.108	130	186359	54.075	ug/l	100
45) 1,2-Dichloropropane	9.385	63	188176	55.359	ug/l	95
46) Dibromomethane	9.473	93	93137	52.812	ug/l	98
47) Bromodichloromethane	9.656	83	262415	56.264	ug/l	98
48) Methyl methacrylate	9.450	41	107271	53.314	ug/l #	81
49) 1,4-Dioxane	9.461	88	19125	1123.418	ug/l #	93
51) 4-Methyl-2-Pentanone	10.220	43	556757	241.401	ug/l	91
52) Toluene	10.397	92	453881	55.343	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	234841	54.766	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	278866	54.748	ug/l #	82
55) 1,1,2-Trichloroethane	10.797	97	128444	55.518	ug/l	95
56) Ethyl methacrylate	10.655	69	163307	49.148	ug/l #	78
57) 1,3-Dichloropropane	10.938	76	226885	55.825	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	388950	247.058	ug/l	99
59) 2-Hexanone	10.979	43	410103	236.911	ug/l	89
60) Dibromochloromethane	11.132	129	163520	56.869	ug/l	100
61) 1,2-Dibromoethane	11.244	107	120558	54.258	ug/l	99
64) Tetrachloroethene	10.873	164	152336	52.105	ug/l	97
65) Chlorobenzene	11.667	112	471974	55.236	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	176289	56.505	ug/l	99
67) Ethyl Benzene	11.738	91	885947	55.077	ug/l	99
68) m/p-Xylenes	11.850	106	672253	110.697	ug/l	97
69) o-Xylene	12.173	106	316413	55.436	ug/l	97
70) Styrene	12.185	104	545797	56.738	ug/l	98
71) Bromoform	12.355	173	91038	56.325	ug/l #	99
73) Isopropylbenzene	12.473	105	867202	55.415	ug/l	98
74) N-amyl acetate	12.279	43	200086	47.076	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	140341	54.457	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	121629m	59.068	ug/l	
77) Bromobenzene	12.749	156	184072	54.305	ug/l	99
78) n-propylbenzene	12.814	91	1056660	54.220	ug/l	99
79) 2-Chlorotoluene	12.902	91	592825	54.198	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	704377	54.583	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	40098	46.060	ug/l #	78
82) 4-Chlorotoluene	12.996	91	615856	54.234	ug/l	100
83) tert-Butylbenzene	13.214	119	610953	55.128	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	688030	54.610	ug/l	99
85) sec-Butylbenzene	13.391	105	928569	54.858	ug/l	99
86) p-Isopropyltoluene	13.508	119	769457	55.579	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	372971	55.275	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	358665	53.652	ug/l	97
89) n-Butylbenzene	13.832	91	752150	55.654	ug/l	98
90) Hexachloroethane	14.102	117	147321	56.134	ug/l	92
91) 1,2-Dichlorobenzene	13.879	146	312725	54.499	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	22721	54.138	ug/l	99
93) 1,2,4-Trichlorobenzene	15.143	180	199172	55.646	ug/l	99
94) Hexachlorobutadiene	15.249	225	110207	54.419	ug/l	98
95) Naphthalene	15.385	128	354912	56.249	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	170276	56.011	ug/l	99

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

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