

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071240.D
 Acq On : 09 Dec 2021 20:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/10/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 10 06:48:44 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	205080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	358098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	338909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	167542	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	116077	48.24	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.48%		
35) Dibromofluoromethane	7.914	113	108446	47.56	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.12%		
50) Toluene-d8	10.338	98	369355	42.56	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	85.12%		
62) 4-Bromofluorobenzene	12.620	95	139218	46.28	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.56%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	75121	42.95	ug/l	96
3) Chloromethane	2.215	50	120100	51.91	ug/l	97
4) Vinyl Chloride	2.356	62	135491	52.49	ug/l	94
5) Bromomethane	2.779	94	103088	55.40	ug/l	97
6) Chloroethane	2.926	64	103144	58.10	ug/l	98
7) Trichlorofluoromethane	3.279	101	177763	50.84	ug/l	93
8) Diethyl Ether	3.709	74	53705	56.65	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.109	101	107608	52.16	ug/l	96
10) Methyl Iodide	4.309	142	99046	42.09	ug/l	95
11) Tert butyl alcohol	5.203	59	46288	311.13	ug/l #	91
12) 1,1-Dichloroethene	4.073	96	92881	48.79	ug/l	85
13) Acrolein	3.920	56	19269	117.18	ug/l	98
14) Allyl chloride	4.720	41	193704	53.57	ug/l #	80
15) Acrylonitrile	5.420	53	143344	310.92	ug/l	95
16) Acetone	4.156	43	154092	242.24	ug/l	93
17) Carbon Disulfide	4.415	76	257450	46.19	ug/l	98
18) Methyl Acetate	4.715	43	107557	60.58	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	275110	58.96	ug/l	96
20) Methylene Chloride	4.967	84	139176	57.98	ug/l	86
21) trans-1,2-Dichloroethene	5.473	96	116895	54.54	ug/l	94
22) Diisopropyl ether	6.361	45	438884	60.58	ug/l	92
23) Vinyl Acetate	6.309	43	1017997	258.75	ug/l	97
24) 1,1-Dichloroethane	6.261	63	239685	57.52	ug/l	99
25) 2-Butanone	7.214	43	191746	258.70	ug/l #	87
26) 2,2-Dichloropropane	7.208	77	184926	48.80	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	140722	58.04	ug/l	94
28) Bromochloromethane	7.550	49	104277	57.61	ug/l	90
29) Tetrahydrofuran	7.561	42	118126	309.14	ug/l	92
30) Chloroform	7.708	83	248687	59.46	ug/l	98
31) Cyclohexane	7.985	56	188991	46.17	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	208918	55.64	ug/l	94
36) 1,1-Dichloropropene	8.114	75	171039	51.10	ug/l	98
37) Ethyl Acetate	7.291	43	84010	58.11	ug/l #	93
38) Carbon Tetrachloride	8.097	117	174623	52.93	ug/l	94
39) Methylcyclohexane	9.355	83	186570	46.35	ug/l	98
40) Benzene	8.350	78	492174	54.14	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	47960	64.39	ug/l #	79
42) 1,2-Dichloroethane	8.420	62	165050	59.48	ug/l	94
43) Isopropyl Acetate	8.450	43	162919	51.09	ug/l	90
44) Trichloroethene	9.108	130	126323	52.12	ug/l	95
45) 1,2-Dichloropropane	9.385	63	138256	57.83	ug/l	96
46) Dibromomethane	9.473	93	74081	59.72	ug/l	93
47) Bromodichloromethane	9.661	83	193529	59.00	ug/l	98
48) Methyl methacrylate	9.455	41	76861	54.31	ug/l #	79
49) 1,4-Dioxane	9.461	88	14109	1178.35	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	431637	262.96	ug/l	92
52) Toluene	10.397	92	318488	55.21	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	172345	57.14	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	202124	56.42	ug/l #	83
55) 1,1,2-Trichloroethane	10.797	97	95849	58.90	ug/l	91
56) Ethyl methacrylate	10.655	69	121597	51.68	ug/l #	75
57) 1,3-Dichloropropane	10.938	76	174055	60.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	323228	291.91	ug/l	100
59) 2-Hexanone	10.979	43	302463	246.75	ug/l	90
60) Dibromochloromethane	11.138	129	125531	62.07	ug/l	98
61) 1,2-Dibromoethane	11.238	107	90803	58.10	ug/l	98
64) Tetrachloroethene	10.873	164	105913	49.23	ug/l	98
65) Chlorobenzene	11.667	112	336101	53.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	129040	56.20	ug/l	99
67) Ethyl Benzene	11.738	91	625171	52.81	ug/l	100
68) m/p-Xylenes	11.844	106	472995	105.84	ug/l	95
69) o-Xylene	12.173	106	226369	53.89	ug/l	97
70) Styrene	12.185	104	393267	55.55	ug/l	97
71) Bromoform	12.349	173	69625	58.53	ug/l #	99
73) Isopropylbenzene	12.473	105	593543	48.93	ug/l	100
74) N-amyl acetate	12.279	43	151269	46.05	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	110051	55.09	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	78936m	49.45	ug/l	
77) Bromobenzene	12.755	156	136874	52.09	ug/l	98
78) n-propylbenzene	12.814	91	746288	49.40	ug/l	99
79) 2-Chlorotoluene	12.896	91	421364	49.69	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	500715	50.05	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	28795	43.09	ug/l #	77
82) 4-Chlorotoluene	12.996	91	446285	50.70	ug/l	100
83) tert-Butylbenzene	13.214	119	425788	49.56	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	496989	50.89	ug/l	99
85) sec-Butylbenzene	13.391	105	642440	48.96	ug/l	99
86) p-Isopropyltoluene	13.508	119	535792	49.92	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	272684	52.13	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	269447	51.99	ug/l	99
89) n-Butylbenzene	13.832	91	517956	49.44	ug/l	99
90) Hexachloroethane	14.096	117	105538	51.87	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	235508	52.94	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	17498	53.78	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	141084	50.85	ug/l	98
94) Hexachlorobutadiene	15.255	225	76587	48.78	ug/l	97
95) Naphthalene	15.385	128	263212	53.81	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	124673	52.90	ug/l	98

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

