

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120621\
 Data File : VD071162.D
 Acq On : 06 Dec 2021 09:53
 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 07 06:49:16 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	280795	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	464534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	425476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	201270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	151880	46.097	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.200%		
35) Dibromofluoromethane	7.914	113	141715	47.907	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.820%		
50) Toluene-d8	10.338	98	511225	45.414	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.820%		
62) 4-Bromofluorobenzene	12.626	95	184403	47.257	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	104291	43.554	ug/l	96
3) Chloromethane	2.209	50	157379	49.680	ug/l	96
4) Vinyl Chloride	2.350	62	187379	53.017	ug/l	99
5) Bromomethane	2.774	94	128974	50.622	ug/l	100
6) Chloroethane	2.926	64	131924	54.271	ug/l	91
7) Trichlorofluoromethane	3.274	101	236404	49.376	ug/l	97
8) Diethyl Ether	3.709	74	63824	49.173	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.103	101	137840	48.798	ug/l	97
10) Methyl Iodide	4.303	142	144837	44.645	ug/l	95
11) Tert butyl alcohol	5.215	59	52728	248.663	ug/l	95
12) 1,1-Dichloroethene	4.074	96	125295	48.066	ug/l	89
13) Acrolein	3.921	56	43188	191.814	ug/l	95
14) Allyl chloride	4.715	41	246307	49.746	ug/l #	81
15) Acrylonitrile	5.415	53	167202	264.880	ug/l	96
16) Acetone	4.156	43	222798	254.084	ug/l	88
17) Carbon Disulfide	4.415	76	353272	46.288	ug/l	98
18) Methyl Acetate	4.721	43	120264	49.472	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	324275	50.760	ug/l	99
20) Methylene Chloride	4.962	84	154003	45.984	ug/l	88
21) trans-1,2-Dichloroethene	5.468	96	145118	49.455	ug/l	89
22) Diisopropyl ether	6.362	45	519454	52.363	ug/l	92
23) Vinyl Acetate	6.303	43	1267046	237.692	ug/l	97
24) 1,1-Dichloroethane	6.262	63	290531	50.918	ug/l	99
25) 2-Butanone	7.203	43	247313	245.346	ug/l #	87
26) 2,2-Dichloropropane	7.203	77	255309	49.207	ug/l	95
27) cis-1,2-Dichloroethene	7.203	96	171009	51.514	ug/l	93
28) Bromochloromethane	7.538	49	124699	50.317	ug/l	91
29) Tetrahydrofuran	7.562	42	137928	263.633	ug/l	94
30) Chloroform	7.703	83	298623	52.149	ug/l	99
31) Cyclohexane	7.979	56	254810	45.466	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	262298	51.019	ug/l #	95
36) 1,1-Dichloropropene	8.109	75	221412	50.997	ug/l	97
37) Ethyl Acetate	7.285	43	98477	52.509	ug/l #	93
38) Carbon Tetrachloride	8.097	117	226668	52.962	ug/l	94
39) Methylcyclohexane	9.356	83	255944	49.012	ug/l	97
40) Benzene	8.350	78	605796	51.368	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	58522	61.549	ug/l #	79
42) 1,2-Dichloroethane	8.420	62	191488	53.194	ug/l	95
43) Isopropyl Acetate	8.450	43	199189	48.449	ug/l	90
44) Trichloroethene	9.109	130	157330	50.035	ug/l	96
45) 1,2-Dichloropropane	9.385	63	162246	52.314	ug/l	98
46) Dibromomethane	9.473	93	85964	53.425	ug/l	95
47) Bromodichloromethane	9.656	83	229371	53.902	ug/l	98
48) Methyl methacrylate	9.450	41	95260	51.891	ug/l #	79
49) 1,4-Dioxane	9.450	88	18637	1199.879	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	516679	245.011	ug/l	91
52) Toluene	10.397	92	386592	51.665	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	204600	52.295	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	243714	52.442	ug/l #	79
55) 1,1,2-Trichloroethane	10.791	97	113128	53.593	ug/l	96
56) Ethyl methacrylate	10.656	69	142411	47.239	ug/l #	75
57) 1,3-Dichloropropane	10.938	76	201088	54.229	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	353062	245.797	ug/l	99
59) 2-Hexanone	10.979	43	382625	241.482	ug/l	90
60) Dibromochloromethane	11.132	129	143307	54.625	ug/l	99
61) 1,2-Dibromoethane	11.238	107	105467	52.024	ug/l	99
64) Tetrachloroethene	10.873	164	133403	49.388	ug/l	95
65) Chlorobenzene	11.661	112	406619	51.507	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	148276	51.441	ug/l	99
67) Ethyl Benzene	11.738	91	758900	51.065	ug/l	98
68) m/p-Xylenes	11.844	106	575416	102.557	ug/l	96
69) o-Xylene	12.173	106	271154	51.420	ug/l	98
70) Styrene	12.185	104	462612	52.052	ug/l	97
71) Bromoform	12.350	173	80873	54.158	ug/l	99
73) Isopropylbenzene	12.473	105	741067	50.850	ug/l	99
74) N-amyl acetate	12.279	43	184460	46.660	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	128721	53.634	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	106774m	55.681	ug/l	
77) Bromobenzene	12.750	156	160845	50.955	ug/l	100
78) n-propylbenzene	12.814	91	915219	50.428	ug/l	100
79) 2-Chlorotoluene	12.897	91	506656	49.739	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	606674	50.482	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	37243	45.953	ug/l #	76
82) 4-Chlorotoluene	12.997	91	523154	49.471	ug/l	99
83) tert-Butylbenzene	13.214	119	523064	50.681	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	605272	51.588	ug/l	98
85) sec-Butylbenzene	13.391	105	794170	50.380	ug/l	100
86) p-Isopropyltoluene	13.502	119	659976	51.189	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	326575	51.972	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	316510	50.840	ug/l	99
89) n-Butylbenzene	13.832	91	646022	51.329	ug/l	98
90) Hexachloroethane	14.102	117	125484	51.343	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	274371	51.344	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	21117	54.030	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	174784	52.436	ug/l	97
94) Hexachlorobutadiene	15.249	225	94951	50.346	ug/l	98
95) Naphthalene	15.385	128	318019	54.122	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	148629	52.499	ug/l	98

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

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