

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080522\
 Data File : VD073968.D
 Acq On : 05 Aug 2022 16:23
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/08/2022
 Supervised By :Mahesh Dadoda 08/08/2022

Quant Time: Aug 06 00:13:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 06 00:09:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	172594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	271874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	262851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	141419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	127180	78.455	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 156.920%			
35) Dibromofluoromethane	7.902	113	152703	91.168	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 182.340%#			
50) Toluene-d8	10.332	98	442273	83.048	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 166.100%#			
62) 4-Bromofluorobenzene	12.620	95	221182	99.084	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 198.160%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	160816	90.417	ug/l	91
3) Chloromethane	2.209	50	221369	87.529	ug/l	99
4) Vinyl Chloride	2.344	62	317250	93.158	ug/l	99
5) Bromomethane	2.750	94	214248	90.653	ug/l	98
6) Chloroethane	2.909	64	211329	88.785	ug/l	99
7) Trichlorofluoromethane	3.262	101	291424	88.623	ug/l	99
8) Diethyl Ether	3.703	74	74163	96.862	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.085	101	165581	89.678	ug/l	99
10) Methyl Iodide	4.291	142	185856	102.251	ug/l	99
11) Tert butyl alcohol	5.232	59	55170	368.686	ug/l #	94
12) 1,1-Dichloroethene	4.056	96	152987	93.713	ug/l	97
13) Acrolein	3.920	56	61748	765.464	ug/l	100
14) Allyl chloride	4.703	41	197292	91.050	ug/l	98
15) Acrylonitrile	5.414	53	155693	475.812	ug/l	99
16) Acetone	4.156	43	127908	434.556	ug/l	96
17) Carbon Disulfide	4.397	76	479117	93.554	ug/l	96
18) Methyl Acetate	4.714	43	74122	82.248	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	379747	100.225	ug/l	98
20) Methylene Chloride	4.950	84	187970	65.411	ug/l	96
21) trans-1,2-Dichloroethene	5.461	96	185451	94.005	ug/l	98
22) Diisopropyl ether	6.355	45	460896	98.735	ug/l	99
23) Vinyl Acetate	6.297	43	1336830	548.472	ug/l	100
24) 1,1-Dichloroethane	6.255	63	295131	91.813	ug/l	99
25) 2-Butanone	7.208	43	207513	469.601	ug/l	97
26) 2,2-Dichloropropane	7.197	77	285344	89.409	ug/l	99
27) cis-1,2-Dichloroethene	7.202	96	204728	95.901	ug/l	98
28) Bromochloromethane	7.538	49	96413	93.792	ug/l	98
29) Tetrahydrofuran	7.561	42	131800	504.961	ug/l	98
30) Chloroform	7.697	83	338852	93.299	ug/l	95
31) Cyclohexane	7.973	56	265889	90.451	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	323738	93.661	ug/l	99
36) 1,1-Dichloropropene	8.102	75	259404	98.105	ug/l	98
37) Ethyl Acetate	7.291	43	95978	97.602	ug/l	98
38) Carbon Tetrachloride	8.085	117	290948	98.801	ug/l	99
39) Methylcyclohexane	9.344	83	316769	104.765	ug/l	99
40) Benzene	8.344	78	712838	99.265	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	49000	94.347	ug/l #	87
42) 1,2-Dichloroethane	8.414	62	211695	97.170	ug/l	99
43) Isopropyl Acetate	8.444	43	191260	99.535	ug/l	98
44) Trichloroethene	9.102	130	200825	97.152	ug/l	99
45) 1,2-Dichloropropane	9.373	63	163331	97.036	ug/l	97
46) Dibromomethane	9.467	93	108763	98.078	ug/l	99
47) Bromodichloromethane	9.649	83	266343	98.608	ug/l	99
48) Methyl methacrylate	9.444	41	90715	103.238	ug/l	99
49) 1,4-Dioxane	9.455	88	21869	1857.434	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	493989	516.706	ug/l	98
52) Toluene	10.391	92	493444	103.890	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	253893	104.439	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	281485	101.529	ug/l	98
55) 1,1,2-Trichloroethane	10.785	97	139033	98.962	ug/l	99
56) Ethyl methacrylate	10.649	69	166221	108.926	ug/l	98
57) 1,3-Dichloropropane	10.932	76	227615	99.827	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	333134	570.782	ug/l	99
59) 2-Hexanone	10.973	43	338485	534.524	ug/l	98
60) Dibromochloromethane	11.126	129	192653	102.352	ug/l	99
61) 1,2-Dibromoethane	11.232	107	144288	102.703	ug/l	100
64) Tetrachloroethene	10.867	164	172384	93.486	ug/l	96
65) Chlorobenzene	11.655	112	511683	96.367	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	203150	100.047	ug/l	98
67) Ethyl Benzene	11.732	91	967263	104.952	ug/l	99
68) m/p-Xylenes	11.843	106	789974	211.465	ug/l	97
69) o-Xylene	12.167	106	366172	106.734	ug/l	100
70) Styrene	12.179	104	633294	108.045	ug/l	99
71) Bromoform	12.343	173	118626	102.233	ug/l #	100
73) Isopropylbenzene	12.467	105	975534	100.833	ug/l	99
74) N-amyl acetate	12.273	43	191525	99.786	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	160772	91.653	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	106482m	87.500	ug/l	
77) Bromobenzene	12.743	156	223532	98.084	ug/l	99
78) n-propylbenzene	12.808	91	1179703	99.075	ug/l	100
79) 2-Chlorotoluene	12.890	91	648316	96.794	ug/l	99
80) 1,3,5-Trimethylbenzene	12.943	105	832602	101.197	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	50730	97.733	ug/l	96
82) 4-Chlorotoluene	12.990	91	693366	97.161	ug/l	99
83) tert-Butylbenzene	13.208	119	716811	101.553	ug/l	98
84) 1,2,4-Trimethylbenzene	13.249	105	826321	100.356	ug/l	98
85) sec-Butylbenzene	13.385	105	1082680	100.306	ug/l	100
86) p-Isopropyltoluene	13.496	119	941159	102.817	ug/l	99
87) 1,3-Dichlorobenzene	13.496	146	461558	96.734	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	455911	95.155	ug/l	99
89) n-Butylbenzene	13.826	91	839708	99.921	ug/l	99
90) Hexachloroethane	14.090	117	171266	96.375	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	400189	97.329	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.479	75	26785	93.161	ug/l	96
93) 1,2,4-Trichlorobenzene	15.137	180	247988	101.205	ug/l	96
94) Hexachlorobutadiene	15.243	225	132095	97.758	ug/l	98
95) Naphthalene	15.373	128	471013	104.978	ug/l	100
96) 1,2,3-Trichlorobenzene	15.567	180	219124	99.150	ug/l	97

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

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