

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101122\
 Data File : VD074515.D
 Acq On : 11 Oct 2022 13:27
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 12 00:43:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 00:39:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/12/2022
 Supervised By :Mahesh Dadoda 10/13/2022

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	90767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	153637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	136635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	62864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77751	99.517	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 199.040%#			
35) Dibromofluoromethane	7.805	113	90767	90.255	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 180.500%#			
50) Toluene-d8	10.269	98	359609	106.484	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 212.960%#			
62) 4-Bromofluorobenzene	12.569	95	103299	82.533	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 165.060%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	91128	103.843	ug/l	95
3) Chloromethane	2.146	50	102290	93.657	ug/l	93
4) Vinyl Chloride	2.281	62	117325	103.845	ug/l	99
5) Bromomethane	2.675	94	72091	89.939	ug/l	99
6) Chloroethane	2.828	64	76530	101.524	ug/l	99
7) Trichlorofluoromethane	3.169	101	173567	100.386	ug/l	98
8) Diethyl Ether	3.587	74	53496	103.071	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.964	101	115624	99.494	ug/l	98
10) Methyl Iodide	4.158	142	159149	119.448	ug/l	97
11) Tert butyl alcohol	5.046	59	39852	257.426	ug/l #	96
12) 1,1-Dichloroethene	3.934	96	118078	99.753	ug/l	97
13) Acrolein	3.793	56	17293	433.135	ug/l	97
14) Allyl chloride	4.558	41	129809	100.737	ug/l	98
15) Acrylonitrile	5.258	53	107191	518.817	ug/l	99
16) Acetone	4.022	43	88023	522.302	ug/l	100
17) Carbon Disulfide	4.269	76	344405	98.406	ug/l	98
18) Methyl Acetate	4.558	43	50310	93.815	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	230799	102.462	ug/l	100
20) Methylene Chloride	4.799	84	130168	74.131	ug/l	94
21) trans-1,2-Dichloroethene	5.311	96	125461	98.403	ug/l	90
22) Diisopropyl ether	6.210	45	246786	95.786	ug/l	95
23) Vinyl Acetate	6.152	43	588971	559.129	ug/l	100
24) 1,1-Dichloroethane	6.105	63	191977	96.258	ug/l	97
25) 2-Butanone	7.081	43	110745	476.035	ug/l	95
26) 2,2-Dichloropropane	7.069	77	162346	92.474	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	132913	97.876	ug/l	98
28) Bromochloromethane	7.428	49	49129	93.295	ug/l	96
29) Tetrahydrofuran	7.440	42	63143	492.171	ug/l	98
30) Chloroform	7.599	83	178278	92.259	ug/l	98
31) Cyclohexane	7.875	56	150070	90.278	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	167386	95.661	ug/l	98
36) 1,1-Dichloropropene	8.010	75	144363	97.907	ug/l	99
37) Ethyl Acetate	7.169	43	46208	95.482	ug/l	97
38) Carbon Tetrachloride	7.993	117	139837	102.572	ug/l	90
39) Methylcyclohexane	9.275	83	188491	102.134	ug/l	100
40) Benzene	8.252	78	424417	96.711	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	29958	103.511	ug/l #	88
42) 1,2-Dichloroethane	8.328	62	100237	96.663	ug/l	99
43) Isopropyl Acetate	8.357	43	89791	100.981	ug/l	99
44) Trichloroethene	9.028	130	124995	99.562	ug/l	98
45) 1,2-Dichloropropane	9.304	63	96221	96.239	ug/l	94
46) Dibromomethane	9.393	93	54972	97.854	ug/l	95
47) Bromodichloromethane	9.581	83	136454	98.262	ug/l	98
48) Methyl methacrylate	9.381	41	43676	101.503	ug/l	95
49) 1,4-Dioxane	9.381	88	12274	2103.107	ug/l	94
51) 4-Methyl-2-Pentanone	10.157	43	226231	514.289	ug/l	98
52) Toluene	10.334	92	272010	98.072	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	125032	103.269	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	155806	101.887	ug/l	97
55) 1,1,2-Trichloroethane	10.728	97	73703	97.870	ug/l	97
56) Ethyl methacrylate	10.599	69	91677	105.606	ug/l	98
57) 1,3-Dichloropropane	10.881	76	121878	96.769	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	96086	589.436	ug/l	99
59) 2-Hexanone	10.916	43	158407	537.944	ug/l	99
60) Dibromochloromethane	11.075	129	90135	99.510	ug/l	99
61) 1,2-Dibromoethane	11.175	107	70421	100.501	ug/l	100
64) Tetrachloroethene	10.804	164	95673	93.510	ug/l	96
65) Chlorobenzene	11.604	112	287205	97.925	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	98159	98.634	ug/l	99
67) Ethyl Benzene	11.681	91	514645	98.994	ug/l	100
68) m/p-Xylenes	11.793	106	410278	197.917	ug/l	98
69) o-Xylene	12.116	106	191481	99.274	ug/l	96
70) Styrene	12.134	104	320924	98.464	ug/l	99
71) Bromoform	12.293	173	51583	101.754	ug/l #	97
73) Isopropylbenzene	12.416	105	501078	99.083	ug/l	99
74) N-amyl acetate	12.228	43	82137	103.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	78622	98.283	ug/l	97
76) 1,2,3-Trichloropropane	12.716	75	45256m	94.030	ug/l	
77) Bromobenzene	12.698	156	111796	97.713	ug/l	99
78) n-propylbenzene	12.757	91	594529	97.173	ug/l	100
79) 2-Chlorotoluene	12.845	91	313418	95.442	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	403493	98.170	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	23088	109.011	ug/l	93
82) 4-Chlorotoluene	12.940	91	315903	95.843	ug/l	99
83) tert-Butylbenzene	13.163	119	354312	98.448	ug/l	98
84) 1,2,4-Trimethylbenzene	13.204	105	399115	98.024	ug/l	98
85) sec-Butylbenzene	13.340	105	537890	98.084	ug/l	99
86) p-Isopropyltoluene	13.457	119	449347	98.682	ug/l	100
87) 1,3-Dichlorobenzene	13.451	146	220931	94.252	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	219463	94.344	ug/l	99
89) n-Butylbenzene	13.781	91	415149	97.603	ug/l	98
90) Hexachloroethane	14.045	117	80151	99.697	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	191482	95.761	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.439	75	11231	102.696	ug/l	96
93) 1,2,4-Trichlorobenzene	15.092	180	133349	101.136	ug/l	99
94) Hexachlorobutadiene	15.198	225	70246	102.471	ug/l	99
95) Naphthalene	15.322	128	264284	106.138	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	115431	102.558	ug/l	99

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

