

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074577.D
 Acq On : 19 Oct 2022 13:13
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 20 06:21:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:16:59 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	99601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	144861	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	127416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	59055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	98568	129.620	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 259.240%#			
35) Dibromofluoromethane	7.804	113	121857	137.349	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 274.700%#			
50) Toluene-d8	10.269	98	415111	143.170	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 286.340%#			
62) 4-Bromofluorobenzene	12.569	95	125423	130.769	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 261.540%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	104164	134.732	ug/l	95
3) Chloromethane	2.146	50	135841	129.796	ug/l	93
4) Vinyl Chloride	2.281	62	167358	144.605	ug/l	99
5) Bromomethane	2.669	94	117867	134.484	ug/l	98
6) Chloroethane	2.828	64	115807	145.538	ug/l	97
7) Trichlorofluoromethane	3.169	101	238288	145.253	ug/l	98
8) Diethyl Ether	3.593	74	69982	147.303	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.963	101	152586	155.578	ug/l	99
10) Methyl Iodide	4.164	142	220207	182.675	ug/l	98
11) Tert butyl alcohol	5.063	59	40324	314.983	ug/l	99
12) 1,1-Dichloroethene	3.940	96	155486	146.942	ug/l	86
13) Acrolein	3.799	56	58687	720.583	ug/l	97
14) Allyl chloride	4.558	41	165881	145.165	ug/l	98
15) Acrylonitrile	5.258	53	143797	740.583	ug/l	100
16) Acetone	4.022	43	112462	677.258	ug/l	100
17) Carbon Disulfide	4.269	76	390928	135.013	ug/l	98
18) Methyl Acetate	4.563	43	65099	129.634	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	309901	149.876	ug/l	99
20) Methylene Chloride	4.799	84	165150	94.002	ug/l	97
21) trans-1,2-Dichloroethene	5.310	96	166815	141.419	ug/l	93
22) Diisopropyl ether	6.216	45	335370	145.441	ug/l	94
23) Vinyl Acetate	6.157	43	805803	867.988	ug/l	97
24) 1,1-Dichloroethane	6.110	63	252578	141.132	ug/l	99
25) 2-Butanone	7.081	43	148726	669.786	ug/l #	88
26) 2,2-Dichloropropane	7.075	77	236252	138.118	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	190695	145.755	ug/l	97
28) Bromochloromethane	7.428	49	75563	173.493	ug/l	98
29) Tetrahydrofuran	7.440	42	90183	744.636	ug/l	99
30) Chloroform	7.593	83	272410	141.459	ug/l	94
31) Cyclohexane	7.881	56	202900	132.829	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	255739	144.817	ug/l	97
36) 1,1-Dichloropropene	8.010	75	206849	158.949	ug/l	99
37) Ethyl Acetate	7.169	43	64819	157.869	ug/l	97
38) Carbon Tetrachloride	7.993	117	214334	168.197	ug/l	98
39) Methylcyclohexane	9.275	83	237727	152.890	ug/l	97
40) Benzene	8.252	78	601211	155.666	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	38234	149.616	ug/l #	95
42) 1,2-Dichloroethane	8.328	62	130382	146.291	ug/l	99
43) Isopropyl Acetate	8.363	43	116755	153.011	ug/l	98
44) Trichloroethene	9.028	130	163767	144.742	ug/l	98
45) 1,2-Dichloropropane	9.304	63	125528	148.100	ug/l	97
46) Dibromomethane	9.393	93	73155	149.572	ug/l	96
47) Bromodichloromethane	9.587	83	182972	151.203	ug/l	99
48) Methyl methacrylate	9.381	41	53693	153.970	ug/l	99
49) 1,4-Dioxane	9.387	88	16127	3350.238	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	288922	761.241	ug/l	100
52) Toluene	10.334	92	369985	155.334	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	172468	162.101	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	208562	155.468	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	99977	148.777	ug/l	98
56) Ethyl methacrylate	10.598	69	121154	164.934	ug/l	98
57) 1,3-Dichloropropane	10.881	76	164297	150.713	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	169787	1042.761	ug/l	99
59) 2-Hexanone	10.922	43	201240	776.827	ug/l	100
60) Dibromochloromethane	11.075	129	125460	154.893	ug/l	100
61) 1,2-Dibromoethane	11.181	107	92071	150.095	ug/l	96
64) Tetrachloroethene	10.810	164	132149	140.313	ug/l	94
65) Chlorobenzene	11.604	112	396926	147.893	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	141479	153.433	ug/l	99
67) Ethyl Benzene	11.681	91	716213	153.250	ug/l	99
68) m/p-Xylenes	11.793	106	575619	309.768	ug/l	97
69) o-Xylene	12.122	106	270791	156.582	ug/l	95
70) Styrene	12.134	104	454978	156.216	ug/l	99
71) Bromoform	12.298	173	73189	151.181	ug/l #	96
73) Isopropylbenzene	12.422	105	702058	152.435	ug/l	99
74) N-amyl acetate	12.234	43	104851	154.023	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	107003	146.759	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	67089m	138.042	ug/l	
77) Bromobenzene	12.698	156	156282	150.348	ug/l	99
78) n-propylbenzene	12.763	91	821049	150.845	ug/l	99
79) 2-Chlorotoluene	12.845	91	434768	147.443	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	571542	152.873	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	31943	158.305	ug/l	96
82) 4-Chlorotoluene	12.945	91	445249	146.973	ug/l	99
83) tert-Butylbenzene	13.163	119	520530	156.073	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	567121	154.148	ug/l	97
85) sec-Butylbenzene	13.345	105	770590	153.966	ug/l	97
86) p-Isopropyltoluene	13.457	119	664387	158.456	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	329900	152.726	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	313167	148.097	ug/l	99
89) n-Butylbenzene	13.787	91	589412	154.297	ug/l	98
90) Hexachloroethane	14.051	117	114919	157.466	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	268024	148.748	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14914	147.908	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	188562	158.638	ug/l	100
94) Hexachlorobutadiene	15.204	225	102164	156.235	ug/l	99
95) Naphthalene	15.328	128	362244	161.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	161093	158.103	ug/l	98

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

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