

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091622\
 Data File : VD074329.D
 Acq On : 16 Sep 2022 14:25
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/19/2022
 Supervised By :Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 02:40:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 02:35:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	109116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	181418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	162141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	72365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	159226	149.816	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 299.640%#			
35) Dibromofluoromethane	7.804	113	162572	136.063	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 272.120%#			
50) Toluene-d8	10.269	98	691212	167.658	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 335.320%#			
62) 4-Bromofluorobenzene	12.569	95	194652	121.584	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 243.160%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	140137	139.416	ug/l	93
3) Chloromethane	2.146	50	144618	151.289	ug/l	98
4) Vinyl Chloride	2.275	62	141200	150.510	ug/l	94
5) Bromomethane	2.657	94	86035	148.339	ug/l	96
6) Chloroethane	2.816	64	82225	149.179	ug/l	99
7) Trichlorofluoromethane	3.169	101	272899	149.277	ug/l	98
8) Diethyl Ether	3.587	74	88222	151.391	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.957	101	170058	147.941	ug/l	100
10) Methyl Iodide	4.157	142	230293	162.187	ug/l	99
11) Tert butyl alcohol	5.063	59	45450	632.793	ug/l	98
12) 1,1-Dichloroethene	3.934	96	176454	150.802	ug/l	98
13) Acrolein	3.793	56	53846	695.159	ug/l	98
14) Allyl chloride	4.557	41	260513	153.837	ug/l	100
15) Acrylonitrile	5.251	53	195239	760.099	ug/l	100
16) Acetone	4.016	43	168639	704.300	ug/l	97
17) Carbon Disulfide	4.263	76	591644	155.286	ug/l	99
18) Methyl Acetate	4.557	43	97049	136.443	ug/l	97
19) Methyl tert-butyl Ether	5.316	73	382391	152.606	ug/l	97
20) Methylene Chloride	4.799	84	197660	97.149	ug/l	92
21) trans-1,2-Dichloroethene	5.310	96	197845	152.708	ug/l	98
22) Diisopropyl ether	6.216	45	538280	150.917	ug/l	98
23) Vinyl Acetate	6.151	43	1424665	873.327	ug/l	98
24) 1,1-Dichloroethane	6.110	63	347085	151.184	ug/l	97
25) 2-Butanone	7.081	43	247162	693.038	ug/l	97
26) 2,2-Dichloropropane	7.075	77	290788	153.436	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	219931	153.219	ug/l	98
28) Bromochloromethane	7.428	49	134425	151.639	ug/l	97
29) Tetrahydrofuran	7.445	42	152315	745.242	ug/l	99
30) Chloroform	7.598	83	328396	145.472	ug/l	94
31) Cyclohexane	7.875	56	327128	146.759	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	298519	149.904	ug/l	100
36) 1,1-Dichloropropene	8.010	75	279454	153.220	ug/l	100
37) Ethyl Acetate	7.169	43	106002	145.071	ug/l	97
38) Carbon Tetrachloride	7.992	117	258105	159.689	ug/l	97
39) Methylcyclohexane	9.275	83	356457	161.575	ug/l	99
40) Benzene	8.251	78	784775	153.456	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	60177	155.250	ug/l	89
42) 1,2-Dichloroethane	8.322	62	193364	148.048	ug/l	100
43) Isopropyl Acetate	8.363	43	206300	153.033	ug/l	98
44) Trichloroethene	9.028	130	207176	154.087	ug/l	94
45) 1,2-Dichloropropane	9.304	63	196682	152.923	ug/l	99
46) Dibromomethane	9.392	93	99793	150.844	ug/l	97
47) Bromodichloromethane	9.581	83	248293	152.375	ug/l	97
48) Methyl methacrylate	9.381	41	98731	151.342	ug/l	98
49) 1,4-Dioxane	9.381	88	22480	3105.013	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	530700	749.290	ug/l	99
52) Toluene	10.334	92	484928	153.942	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	244992	168.517	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	300057	159.529	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	132501	152.049	ug/l	98
56) Ethyl methacrylate	10.598	69	179005	156.808	ug/l	99
57) 1,3-Dichloropropane	10.881	76	235677	149.637	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	287571	990.696	ug/l	99
59) 2-Hexanone	10.916	43	366443	739.673	ug/l	100
60) Dibromochloromethane	11.075	129	155308	148.826	ug/l	99
61) 1,2-Dibromoethane	11.175	107	123987	148.151	ug/l	98
64) Tetrachloroethene	10.804	164	164724	149.878	ug/l	96
65) Chlorobenzene	11.604	112	497201	148.849	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.675	131	178294	155.433	ug/l	99
67) Ethyl Benzene	11.681	91	968314	158.011	ug/l	99
68) m/p-Xylenes	11.786	106	726120	309.328	ug/l	98
69) o-Xylene	12.116	106	341792	159.327	ug/l	98
70) Styrene	12.128	104	567404	155.302	ug/l	99
71) Bromoform	12.292	173	88981	144.557	ug/l #	99
73) Isopropylbenzene	12.416	105	889168	159.760	ug/l	100
74) N-amyl acetate	12.228	43	192653	156.627	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	144260	149.178	ug/l	100
76) 1,2,3-Trichloropropane	12.716	75	98188m	146.360	ug/l	
77) Bromobenzene	12.692	156	189048	155.442	ug/l	98
78) n-propylbenzene	12.757	91	1100096	159.340	ug/l	99
79) 2-Chlorotoluene	12.845	91	571542	156.973	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	719896	158.186	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	45633	170.816	ug/l #	100
82) 4-Chlorotoluene	12.939	91	587594	155.620	ug/l	99
83) tert-Butylbenzene	13.157	119	635429	157.453	ug/l	100
84) 1,2,4-Trimethylbenzene	13.204	105	720164	160.846	ug/l	99
85) sec-Butylbenzene	13.339	105	956583	159.732	ug/l	100
86) p-Isopropyltoluene	13.451	119	807642	161.370	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	391593	156.638	ug/l	98
88) 1,4-Dichlorobenzene	13.533	146	369873	151.384	ug/l	99
89) n-Butylbenzene	13.780	91	781533	159.430	ug/l	99
90) Hexachloroethane	14.045	117	149717	158.497	ug/l	93
91) 1,2-Dichlorobenzene	13.822	146	320346	151.974	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.439	75	21276	148.008	ug/l	91
93) 1,2,4-Trichlorobenzene	15.092	180	225193	158.370	ug/l	99
94) Hexachlorobutadiene	15.192	225	127753	158.141	ug/l	98
95) Naphthalene	15.322	128	422904	160.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.510	180	193158	158.057	ug/l	99

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

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