

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074887.D
 Acq On : 11 Nov 2022 13:15
 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 11/14/2022
 Supervised By :Mahesh Dadoda 11/14/2022

Quant Time: Nov 14 00:30:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:27:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	182671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	260158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	241265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	112247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	165574	116.619	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 233.240%#	
35) Dibromofluoromethane	7.805	113	240272	149.824	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 299.640%#	
50) Toluene-d8	10.269	98	765272	144.865	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 289.740%#	
62) 4-Bromofluorobenzene	12.575	95	247792	152.758	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 305.520%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	176524	129.362	ug/l	96
3) Chloromethane	2.146	50	269392	125.197	ug/l	94
4) Vinyl Chloride	2.281	62	362109	141.373	ug/l	99
5) Bromomethane	2.664	94	287148	137.075	ug/l	98
6) Chloroethane	2.823	64	263072	139.862	ug/l	98
7) Trichlorofluoromethane	3.164	101	420923	144.230	ug/l	100
8) Diethyl Ether	3.593	74	126651	151.361	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.964	101	271988	146.044	ug/l	99
10) Methyl Iodide	4.158	142	358313	187.008	ug/l	100
11) Tert butyl alcohol	5.064	59	64352	625.907	ug/l	97
12) 1,1-Dichloroethene	3.934	96	277683	153.070	ug/l	91
13) Acrolein	3.793	56	35114	595.048	ug/l	96
14) Allyl chloride	4.558	41	291785	150.373	ug/l	99
15) Acrylonitrile	5.252	53	246769	754.667	ug/l	98
16) Acetone	4.022	43	229475	760.964	ug/l	98
17) Carbon Disulfide	4.264	76	744265	144.219	ug/l	98
18) Methyl Acetate	4.558	43	115258	129.869	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	557938	153.621	ug/l	99
20) Methylene Chloride	4.799	84	312253	77.743	ug/l	91
21) trans-1,2-Dichloroethene	5.311	96	303278	147.425	ug/l	93
22) Diisopropyl ether	6.216	45	656625	151.823	ug/l	99
23) Vinyl Acetate	6.152	43	1504532	862.374	ug/l	98
24) 1,1-Dichloroethane	6.111	63	465403	144.095	ug/l	98
25) 2-Butanone	7.081	43	291265	738.612	ug/l	93
26) 2,2-Dichloropropane	7.075	77	431783	142.255	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	344205	150.820	ug/l	99
28) Bromochloromethane	7.422	49	145641	139.771	ug/l	98
29) Tetrahydrofuran	7.446	42	170144	779.485	ug/l	97
30) Chloroform	7.599	83	505609	142.942	ug/l	99
31) Cyclohexane	7.875	56	382741	143.718	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	453607	148.801	ug/l	98
36) 1,1-Dichloropropene	8.010	75	380128	161.282	ug/l	99
37) Ethyl Acetate	7.169	43	122711	155.159	ug/l	97
38) Carbon Tetrachloride	7.993	117	369450	166.527	ug/l	97
39) Methylcyclohexane	9.275	83	424879	168.272	ug/l	98
40) Benzene	8.252	78	993151	146.543	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	68360	165.567	ug/l #	94
42) 1,2-Dichloroethane	8.328	62	228465	140.862	ug/l	99
43) Isopropyl Acetate	8.363	43	212038	152.223	ug/l	97
44) Trichloroethene	9.028	130	281896	157.442	ug/l	96
45) 1,2-Dichloropropane	9.305	63	231117	151.774	ug/l	95
46) Dibromomethane	9.393	93	131301	153.964	ug/l	93
47) Bromodichloromethane	9.587	83	327587	154.778	ug/l	96
48) Methyl methacrylate	9.381	41	98468	159.580	ug/l	96
49) 1,4-Dioxane	9.387	88	27886	3332.360	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	545619	821.645	ug/l	99
52) Toluene	10.334	92	662350	163.458	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	309705	165.646	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	377973	164.845	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	183087	154.398	ug/l	98
56) Ethyl methacrylate	10.599	69	221279	172.621	ug/l	96
57) 1,3-Dichloropropane	10.881	76	298841	156.756	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	398847	903.047	ug/l	98
59) 2-Hexanone	10.922	43	392434	847.727	ug/l	99
60) Dibromochloromethane	11.075	129	225520	160.317	ug/l	100
61) 1,2-Dibromoethane	11.181	107	174583	157.424	ug/l	99
64) Tetrachloroethene	10.810	164	236386	146.131	ug/l	94
65) Chlorobenzene	11.610	112	693871	147.014	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	247291	149.540	ug/l	96
67) Ethyl Benzene	11.687	91	1315178	159.944	ug/l	99
68) m/p-Xylenes	11.793	106	1038530	316.771	ug/l	98
69) o-Xylene	12.122	106	487444	161.604	ug/l	96
70) Styrene	12.134	104	825198	159.599	ug/l	99
71) Bromoform	12.298	173	127307	148.749	ug/l #	98
73) Isopropylbenzene	12.422	105	1271431	164.567	ug/l	100
74) N-amyl acetate	12.234	43	204758	161.083	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	198287	145.094	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	130851m	144.238	ug/l	
77) Bromobenzene	12.704	156	278369	153.966	ug/l	95
78) n-propylbenzene	12.763	91	1513918	159.414	ug/l	99
79) 2-Chlorotoluene	12.851	91	800618	156.461	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	1029306	159.893	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	58713	153.846	ug/l	96
82) 4-Chlorotoluene	12.946	91	828985	155.569	ug/l	98
83) tert-Butylbenzene	13.169	119	916652	164.106	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	1042019	163.664	ug/l	99
85) sec-Butylbenzene	13.345	105	1383309	162.810	ug/l	100
86) p-Isopropyltoluene	13.463	119	1199487	169.780	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	595352	158.299	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	561544	150.438	ug/l	99
89) n-Butylbenzene	13.787	91	1089221	166.058	ug/l	99
90) Hexachloroethane	14.051	117	202669	160.167	ug/l	93
91) 1,2-Dichlorobenzene	13.834	146	484167	151.387	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	27296	144.870	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	318588	163.649	ug/l	99
94) Hexachlorobutadiene	15.204	225	167283	166.585	ug/l	100
95) Naphthalene	15.334	128	598186	165.549	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	271987	161.558	ug/l	98

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

