

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011498.D
 Acq On : 18 Nov 2022 13:05
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022

Quant Time: Nov 19 21:34:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 21:29:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	212083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	328255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	302518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	146479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	277066	129.146	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 258.300%#	
35) Dibromofluoromethane	7.716	113	272450	135.320	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 270.640%#	
50) Toluene-d8	10.185	98	977394	133.281	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 266.560%#	
62) 4-Bromofluorobenzene	12.483	95	370528	138.432	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 276.860%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	154931	112.130	ug/l	99
3) Chloromethane	2.119	50	256161	125.351	ug/l	94
4) Vinyl Chloride	2.253	62	317593	132.555	ug/l	100
5) Bromomethane	2.637	94	221818	125.605	ug/l	99
6) Chloroethane	2.790	64	216900	129.781	ug/l	99
7) Trichlorofluoromethane	3.125	101	482210	136.872	ug/l	94
8) Diethyl Ether	3.534	74	170082	149.048	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.899	101	290372	141.988	ug/l	95
10) Methyl Iodide	4.094	142	359514	151.050	ug/l	93
11) Tert butyl alcohol	4.954	59	161421	543.444	ug/l	97
12) 1,1-Dichloroethene	3.875	96	272362	145.778	ug/l	90
13) Acrolein	3.735	56	26992	471.617	ug/l	99
14) Allyl chloride	4.479	41	512295	156.542	ug/l	94
15) Acrylonitrile	5.167	53	473377	758.114	ug/l	98
16) Acetone	3.948	43	538873	769.678	ug/l	92
17) Carbon Disulfide	4.198	76	736688	142.975	ug/l	100
18) Methyl Acetate	4.479	43	237499	127.840	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	851683	160.098	ug/l	97
20) Methylene Chloride	4.722	84	334834	91.503	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	321234	149.580	ug/l	92
22) Diisopropyl ether	6.125	45	1095485	152.945	ug/l	93
23) Vinyl Acetate	6.064	43	3469166	831.634	ug/l	96
24) 1,1-Dichloroethane	6.021	63	610243	145.916	ug/l	99
25) 2-Butanone	6.984	43	722506	783.500	ug/l #	91
26) 2,2-Dichloropropane	6.984	77	572210	147.023	ug/l	96
27) cis-1,2-Dichloroethene	6.984	96	384560	151.525	ug/l	94
28) Bromochloromethane	7.338	49	245745	146.057	ug/l	94
29) Tetrahydrofuran	7.350	42	406810	784.169	ug/l	92
30) Chloroform	7.508	83	633886	145.881	ug/l	100
31) Cyclohexane	7.789	56	524950	146.415	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	576550	148.215	ug/l	97
36) 1,1-Dichloropropene	7.923	75	480099	152.370	ug/l	99
37) Ethyl Acetate	7.076	43	276002	153.704	ug/l	96
38) Carbon Tetrachloride	7.905	117	519616	148.077	ug/l	99
39) Methylcyclohexane	9.185	83	565982	160.793	ug/l	95
40) Benzene	8.161	78	1363081	148.397	ug/l	96

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41) Methacrylonitrile	7.326	41	166541m	199.607	ug/l	
42) 1,2-Dichloroethane	8.240	62	410720	144.874	ug/l	94
43) Isopropyl Acetate	8.277	43	519911	160.088	ug/l	94
44) Trichloroethene	8.941	130	363417	147.084	ug/l	91
45) 1,2-Dichloropropane	9.216	63	352269	149.846	ug/l	97
46) Dibromomethane	9.307	93	194531	147.895	ug/l	96
47) Bromodichloromethane	9.496	83	493201	148.987	ug/l	100
48) Methyl methacrylate	9.295	41	237364	164.270	ug/l	89
49) 1,4-Dioxane	9.301	88	51283	3173.723	ug/l	89
51) 4-Methyl-2-Pentanone	10.075	43	1447378	800.636	ug/l	93
52) Toluene	10.246	92	890386	153.584	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	512994	155.209	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	578960	155.330	ug/l	89
55) 1,1,2-Trichloroethane	10.648	97	279102	149.272	ug/l	99
56) Ethyl methacrylate	10.514	69	402434	171.626	ug/l	86
57) 1,3-Dichloropropane	10.794	76	480393	150.165	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	926956	806.332	ug/l	99
59) 2-Hexanone	10.831	43	1060151	820.018	ug/l	91
60) Dibromochloromethane	10.990	129	346485	150.448	ug/l	100
61) 1,2-Dibromoethane	11.093	107	260216	151.350	ug/l	100
64) Tetrachloroethene	10.721	164	357534	143.970	ug/l	96
65) Chlorobenzene	11.520	112	934616	147.386	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	359592	149.226	ug/l	98
67) Ethyl Benzene	11.593	91	1788777	156.652	ug/l	100
68) m/p-Xylenes	11.703	106	1351529	310.025	ug/l	96
69) o-Xylene	12.032	106	640862	157.606	ug/l	97
70) Styrene	12.044	104	1090561	157.856	ug/l	97
71) Bromoform	12.209	173	219574	149.637	ug/l #	99
73) Isopropylbenzene	12.331	105	1716480	162.210	ug/l	100
74) N-amyl acetate	12.148	43	451248	172.071	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	317277	152.481	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	222114m	122.350	ug/l	
77) Bromobenzene	12.611	156	381881	153.924	ug/l	99
78) n-propylbenzene	12.672	91	2044602	158.154	ug/l	99
79) 2-Chlorotoluene	12.758	91	1149466	157.623	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	1411127	158.254	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	118246	165.234	ug/l	90
82) 4-Chlorotoluene	12.855	91	1177005	154.636	ug/l	99
83) tert-Butylbenzene	13.075	119	1258793	161.849	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	1392061	157.805	ug/l	99
85) sec-Butylbenzene	13.257	105	1818626	156.593	ug/l	100
86) p-Isopropyltoluene	13.373	119	1540449	159.079	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	752869	149.424	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	733663	146.019	ug/l	99
89) n-Butylbenzene	13.696	91	1419539	159.308	ug/l	99
90) Hexachloroethane	13.965	117	290908	149.477	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	659000	147.891	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	53152	154.498	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	399200	162.773	ug/l	99
94) Hexachlorobutadiene	15.117	225	226233	146.570	ug/l	98
95) Naphthalene	15.239	128	832364	180.363	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	340583	162.325	ug/l	98

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

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