

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011215.D
 Acq On : 01 Nov 2022 11:34
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/02/2022
 Supervised By :Mahesh Dadoda 11/02/2022

Quant Time: Nov 01 11:47:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:09:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	256000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	410936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	375843	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	182258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	381275	161.685	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 323.360%#			
35) Dibromofluoromethane	7.710	113	380343	171.267	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 342.540%#			
50) Toluene-d8	10.179	98	1443251	168.204	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 336.400%#			
62) 4-Bromofluorobenzene	12.477	95	519489	178.834	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 357.660%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	283406	166.898	ug/l	100
3) Chloromethane	2.113	50	378433	155.339	ug/l	96
4) Vinyl Chloride	2.247	62	432016	156.458	ug/l	98
5) Bromomethane	2.625	94	282510	147.926	ug/l	99
6) Chloroethane	2.778	64	285251	154.591	ug/l	99
7) Trichlorofluoromethane	3.113	101	663242	164.107	ug/l	94
8) Diethyl Ether	3.521	74	258741	171.558	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.887	101	407311	160.671	ug/l	94
10) Methyl Iodide	4.082	142	558663	180.096	ug/l	90
11) Tert butyl alcohol	4.954	59	238441	959.803	ug/l	97
12) 1,1-Dichloroethene	3.863	96	411500	169.449	ug/l	84
13) Acrolein	3.723	56	107383	282.469	ug/l	97
14) Allyl chloride	4.472	41	636245	165.212	ug/l #	85
15) Acrylonitrile	5.155	53	649748	826.493	ug/l	97
16) Acetone	3.942	43	626308	914.590	ug/l #	83
17) Carbon Disulfide	4.186	76	1305653	183.393	ug/l	100
18) Methyl Acetate	4.466	43	314744	170.155	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	1169974	172.431	ug/l	96
20) Methylene Chloride	4.704	84	472708	174.076	ug/l #	83
21) trans-1,2-Dichloroethene	5.210	96	461906	168.482	ug/l	90
22) Diisopropyl ether	6.112	45	1280768	155.286	ug/l #	91
23) Vinyl Acetate	6.051	43	4185768	848.682	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	794659	159.578	ug/l	99
25) 2-Butanone	6.978	43	888691	855.738	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	702330	158.823	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	521326	164.994	ug/l	88
28) Bromochloromethane	7.326	49	310873	167.288	ug/l #	83
29) Tetrahydrofuran	7.338	42	532310	833.115	ug/l #	83
30) Chloroform	7.502	83	797507	158.872	ug/l	100
31) Cyclohexane	7.783	56	728402	161.418	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	719362	163.030	ug/l	95
36) 1,1-Dichloropropene	7.911	75	641244	167.626	ug/l	98
37) Ethyl Acetate	7.070	43	353362	166.842	ug/l #	92
38) Carbon Tetrachloride	7.899	117	662125	167.674	ug/l	98
39) Methylcyclohexane	9.179	83	818961	178.739	ug/l	92
40) Benzene	8.155	78	1858228	165.553	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	208224m	181.423	ug/l	
42) 1,2-Dichloroethane	8.234	62	511516	164.471	ug/l	91
43) Isopropyl Acetate	8.271	43	653357	172.658	ug/l #	88
44) Trichloroethene	8.935	130	509004	167.341	ug/l	95
45) 1,2-Dichloropropane	9.209	63	462388	162.363	ug/l	96
46) Dibromomethane	9.301	93	265904	167.405	ug/l	97
47) Bromodichloromethane	9.490	83	631889	165.082	ug/l	99
48) Methyl methacrylate	9.289	41	306932	181.237	ug/l #	78
49) 1,4-Dioxane	9.295	88	79503	3483.664	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	1749755	829.126	ug/l #	85
52) Toluene	10.240	92	1170301	167.832	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	686239	172.575	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	777862	170.941	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	373798	163.127	ug/l	99
56) Ethyl methacrylate	10.508	69	555465	182.514	ug/l #	75
57) 1,3-Dichloropropane	10.788	76	654877	166.221	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	1271729	804.216	ug/l	96
59) 2-Hexanone	10.831	43	1278526	881.965	ug/l	82
60) Dibromochloromethane	10.983	129	452916	166.223	ug/l	99
61) 1,2-Dibromoethane	11.087	107	368519	167.939	ug/l	100
64) Tetrachloroethene	10.715	164	472184	161.390	ug/l	97
65) Chlorobenzene	11.514	112	1243600	161.167	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	454880	159.270	ug/l	98
67) Ethyl Benzene	11.587	91	2257813	165.396	ug/l	98
68) m/p-Xylenes	11.697	106	1739539	331.259	ug/l	95
69) o-Xylene	12.026	106	832929	167.041	ug/l	94
70) Styrene	12.044	104	1406272	166.441	ug/l	96
71) Bromoform	12.203	173	291862	165.583	ug/l #	98
73) Isopropylbenzene	12.325	105	2144291	161.938	ug/l	100
74) N-amyl acetate	12.142	43	569543	169.527	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	431238	155.180	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	307273m	148.498	ug/l	
77) Bromobenzene	12.605	156	499751	161.461	ug/l	100
78) n-propylbenzene	12.666	91	2577620	159.996	ug/l	98
79) 2-Chlorotoluene	12.751	91	1470949	162.124	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1783061	161.389	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	165672	172.198	ug/l #	82
82) 4-Chlorotoluene	12.849	91	1506372	159.461	ug/l	99
83) tert-Butylbenzene	13.068	119	1566783	163.996	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	1769592	162.431	ug/l	99
85) sec-Butylbenzene	13.251	105	2262689	157.611	ug/l	99
86) p-Isopropyltoluene	13.367	119	1922189	161.398	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	972927	157.504	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	960682	156.414	ug/l	99
89) n-Butylbenzene	13.690	91	1787367	160.603	ug/l	98
90) Hexachloroethane	13.959	117	368034	156.584	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	867568	156.977	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	77596	168.882	ug/l	81
93) 1,2,4-Trichlorobenzene	15.001	180	580302	175.686	ug/l	99
94) Hexachlorobutadiene	15.111	225	308810	158.833	ug/l	99
95) Naphthalene	15.233	128	1308717	194.553	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	513408	178.167	ug/l	99

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

