

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012425\
 Data File : VY020932.D
 Acq On : 24 Jan 2025 15:59
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/27/2025
 Supervised By :Mahesh Dadoda 01/27/2025

Quant Time: Jan 25 00:49:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 00:43:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	274018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	405611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	339423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	163193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	22122	10.126	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.260%#		
35) Dibromofluoromethane	7.646	113	23633	10.149	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.300%#		
50) Toluene-d8	10.115	98	92057	10.192	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.380%#		
62) 4-Bromofluorobenzene	12.414	95	30456	10.132	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	20.260%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	21631	10.437	ug/l	96
3) Chloromethane	2.074	50	16929	10.982	ug/l	97
4) Vinyl Chloride	2.208	62	17914	10.663	ug/l	97
5) Bromomethane	2.605	94	13214	11.613	ug/l	98
6) Chloroethane	2.745	64	10400	10.551	ug/l	96
7) Trichlorofluoromethane	3.074	101	37567	10.524	ug/l	99
8) Diethyl Ether	3.464	74	11473	10.458	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.836	101	24858	10.554	ug/l	97
10) Methyl Iodide	4.019	142	28491	10.150	ug/l	99
11) Tert butyl alcohol	4.866	59	10134	60.087	ug/l #	84
12) 1,1-Dichloroethene	3.806	96	23441	10.539	ug/l	93
13) Acrolein	3.665	56	11940	52.222	ug/l	97
14) Allyl chloride	4.403	41	32252	10.389	ug/l	96
15) Acrylonitrile	5.074	53	22453	52.066	ug/l	98
16) Acetone	3.879	43	15893	53.691	ug/l	93
17) Carbon Disulfide	4.117	76	71488	10.407	ug/l	98
18) Methyl Acetate	4.403	43	10828	10.126	ug/l	98
19) Methyl tert-butyl Ether	5.135	73	53833	10.449	ug/l	98
20) Methylene Chloride	4.629	84	23395	10.627	ug/l	96
21) trans-1,2-Dichloroethene	5.135	96	25204	10.510	ug/l	87
22) Diisopropyl ether	6.031	45	65207	10.442	ug/l	94
23) Vinyl Acetate	5.970	43	178870	51.756	ug/l	99
24) 1,1-Dichloroethane	5.933	63	41190	10.406	ug/l	98
25) 2-Butanone	6.909	43	27286	54.417	ug/l	97
26) 2,2-Dichloropropane	6.897	77	40667	10.430	ug/l	98
27) cis-1,2-Dichloroethene	6.903	96	28292	10.453	ug/l	99
28) Bromochloromethane	7.256	49	17140	10.759	ug/l	95
29) Tetrahydrofuran	7.268	42	17688	52.930	ug/l	100
30) Chloroform	7.433	83	43413	10.362	ug/l	100
31) Cyclohexane	7.707	56	41740	10.729	ug/l #	94
32) 1,1,1-Trichloroethane	7.628	97	42440	10.444	ug/l	99
36) 1,1-Dichloropropene	7.848	75	33395	10.272	ug/l	99
37) Ethyl Acetate	6.994	43	13693	10.856	ug/l #	91
38) Carbon Tetrachloride	7.829	117	40759	10.396	ug/l	94
39) Methylcyclohexane	9.116	83	44847	10.189	ug/l	97
40) Benzene	8.091	78	100069	10.492	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	6316	9.479	ug/l #	92
42) 1,2-Dichloroethane	8.165	62	24497	10.322	ug/l	98
43) Isopropyl Acetate	8.207	43	24458	10.225	ug/l	99
44) Trichloroethene	8.872	130	27248	10.516	ug/l	99
45) 1,2-Dichloropropane	9.146	63	21926	10.414	ug/l	94
46) Dibromomethane	9.238	93	12568	10.500	ug/l	97
47) Bromodichloromethane	9.427	83	33393	10.485	ug/l	99
48) Methyl methacrylate	9.231	41	11471	10.167	ug/l	97
49) 1,4-Dioxane	9.244	88	2560	207.730	ug/l #	80
51) 4-Methyl-2-Pentanone	10.006	43	61838	51.273	ug/l	99
52) Toluene	10.176	92	63762	10.395	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	29612	10.141	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	35379	10.147	ug/l	96
55) 1,1,2-Trichloroethane	10.579	97	16306	10.079	ug/l	96
56) Ethyl methacrylate	10.445	69	20369	9.607	ug/l	98
57) 1,3-Dichloropropane	10.725	76	28488	10.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	48432	50.327	ug/l	100
59) 2-Hexanone	10.768	43	38811	50.045	ug/l	99
60) Dibromochloromethane	10.920	129	23430	10.290	ug/l	98
61) 1,2-Dibromoethane	11.024	107	16250	10.501	ug/l	99
64) Tetrachloroethene	10.652	164	24496	10.370	ug/l	94
65) Chlorobenzene	11.451	112	69158	10.419	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	24617	10.437	ug/l	99
67) Ethyl Benzene	11.524	91	119619	10.328	ug/l	97
68) m/p-Xylenes	11.640	106	91917	20.726	ug/l	100
69) o-Xylene	11.963	106	43049	10.392	ug/l	99
70) Styrene	11.975	104	70805	10.429	ug/l	99
71) Bromoform	12.139	173	13749	10.294	ug/l #	100
73) Isopropylbenzene	12.261	105	114092	10.151	ug/l	98
74) N-amyl acetate	12.079	43	19347	9.674	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	18481	10.568	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	11282m	9.778	ug/l	
77) Bromobenzene	12.542	156	27354	10.383	ug/l	99
78) n-propylbenzene	12.603	91	134496	10.273	ug/l	99
79) 2-Chlorotoluene	12.688	91	77569	10.446	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	94030	10.412	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	6317	10.577	ug/l	99
82) 4-Chlorotoluene	12.786	91	78866	10.401	ug/l	99
83) tert-Butylbenzene	13.005	119	84952	10.198	ug/l	97
84) 1,2,4-Trimethylbenzene	13.054	105	92390	10.392	ug/l	98
85) sec-Butylbenzene	13.182	105	123235	10.376	ug/l	100
86) p-Isopropyltoluene	13.298	119	103320	10.297	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	53471	10.599	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	52287	10.550	ug/l	97
89) n-Butylbenzene	13.627	91	89379	10.099	ug/l	100
90) Hexachloroethane	13.889	117	20431	10.250	ug/l	100
91) 1,2-Dichlorobenzene	13.670	146	45955	10.514	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	2699	10.274	ug/l	98
93) 1,2,4-Trichlorobenzene	14.932	180	25660	9.759	ug/l	99
94) Hexachlorobutadiene	15.035	225	18077	10.048	ug/l	99
95) Naphthalene	15.157	128	38582	9.150	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	21166	9.581	ug/l	97

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

