

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010625\
 Data File : VY020775.D
 Acq On : 06 Jan 2025 10:01
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Quant Time: Jan 07 01:02:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 00:58:55 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/07/2025
 Supervised By :Semsettin Yesilyurt 01/07/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	164542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	245428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	199462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	96293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	13147	9.400	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.800%#		
35) Dibromofluoromethane	7.640	113	14637	9.519	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.040%#		
50) Toluene-d8	10.115	98	47478	8.858	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	17.720%#		
62) 4-Bromofluorobenzene	12.414	95	19083	9.641	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	19.280%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	12746	10.555	ug/l	94
3) Chloromethane	2.074	50	6505	10.231	ug/l	99
4) Vinyl Chloride	2.214	62	7102	10.048	ug/l	95
5) Bromomethane	2.604	94	5232	10.393	ug/l	88
6) Chloroethane	2.751	64	4307	9.880	ug/l	97
7) Trichlorofluoromethane	3.074	101	22564	10.401	ug/l	99
8) Diethyl Ether	3.464	74	6593	9.719	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.824	101	15324	10.460	ug/l	99
10) Methyl Iodide	4.019	142	14918	9.502	ug/l	97
11) Tert butyl alcohol	4.872	59	5742	54.335	ug/l #	85
12) 1,1-Dichloroethene	3.799	96	13243	10.321	ug/l	88
13) Acrolein	3.671	56	2015	67.896	ug/l	92
14) Allyl chloride	4.397	41	18716	10.110	ug/l	98
15) Acrylonitrile	5.080	53	14596	50.625	ug/l	98
16) Acetone	3.879	43	9722	48.884	ug/l	98
17) Carbon Disulfide	4.123	76	26895	9.662	ug/l	99
18) Methyl Acetate	4.397	43	6459	9.619	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	36503	10.080	ug/l	99
20) Methylene Chloride	4.629	84	14054	10.233	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	14275	10.102	ug/l	91
22) Diisopropyl ether	6.031	45	40753	10.334	ug/l	92
23) Vinyl Acetate	5.976	43	108886	50.078	ug/l	99
24) 1,1-Dichloroethane	5.927	63	26672	10.252	ug/l	97
25) 2-Butanone	6.902	43	16546	50.648	ug/l	98
26) 2,2-Dichloropropane	6.896	77	27825	10.301	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	17741	9.951	ug/l	99
28) Bromochloromethane	7.256	49	6308	8.985	ug/l #	92
29) Tetrahydrofuran	7.268	42	10440	50.027	ug/l	98
30) Chloroform	7.433	83	31028	10.458	ug/l	97
31) Cyclohexane	7.713	56	21467	10.549	ug/l #	88
32) 1,1,1-Trichloroethane	7.628	97	30356	10.489	ug/l	99
36) 1,1-Dichloropropene	7.847	75	19893	10.143	ug/l	99
37) Ethyl Acetate	6.994	43	7888	10.107	ug/l	98
38) Carbon Tetrachloride	7.823	117	28059	10.278	ug/l	90
39) Methylcyclohexane	9.116	83	23846	9.909	ug/l	97
40) Benzene	8.085	78	61188	10.166	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	3989	8.924	ug/l	90
42) 1,2-Dichloroethane	8.164	62	15975	9.719	ug/l	95
43) Isopropyl Acetate	8.207	43	15413	9.710	ug/l	99
44) Trichloroethene	8.872	130	16792	10.008	ug/l	96
45) 1,2-Dichloropropane	9.146	63	14102	10.335	ug/l	93
46) Dibromomethane	9.237	93	7664	9.781	ug/l	97
47) Bromodichloromethane	9.426	83	22394	9.979	ug/l	97
48) Methyl methacrylate	9.231	41	6684	9.392	ug/l	95
49) 1,4-Dioxane	9.237	88	1558	187.271	ug/l	93
51) 4-Methyl-2-Pentanone	10.006	43	39146	49.361	ug/l	99
52) Toluene	10.176	92	40350	10.123	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	19646	9.843	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	22964	9.907	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	11238	10.039	ug/l	95
56) Ethyl methacrylate	10.445	69	13115	9.277	ug/l	99
57) 1,3-Dichloropropane	10.725	76	18478	10.126	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	27098	48.316	ug/l	99
59) 2-Hexanone	10.768	43	23598	46.382	ug/l	100
60) Dibromochloromethane	10.914	129	16257	10.013	ug/l	100
61) 1,2-Dibromoethane	11.018	107	10217	10.166	ug/l	98
64) Tetrachloroethene	10.652	164	15592	10.632	ug/l	99
65) Chlorobenzene	11.444	112	45569	10.333	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	17490	10.418	ug/l	99
67) Ethyl Benzene	11.524	91	77774	10.186	ug/l	100
68) m/p-Xylenes	11.633	106	60557	20.600	ug/l	98
69) o-Xylene	11.956	106	29051	10.423	ug/l	96
70) Styrene	11.975	104	47143	10.048	ug/l	99
71) Bromoform	12.133	173	9544	10.000	ug/l #	98
73) Isopropylbenzene	12.261	105	80601	10.551	ug/l	99
74) N-amyl acetate	12.072	43	11989	9.595	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	12177	10.517	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	10127m	11.881	ug/l	
77) Bromobenzene	12.536	156	18204	10.336	ug/l	99
78) n-propylbenzene	12.603	91	90431	10.429	ug/l	98
79) 2-Chlorotoluene	12.682	91	52020	10.418	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	64740	10.457	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	4072	10.191	ug/l	95
82) 4-Chlorotoluene	12.780	91	54727	10.621	ug/l	100
83) tert-Butylbenzene	13.005	119	61579	10.635	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	62621	10.358	ug/l	100
85) sec-Butylbenzene	13.182	105	84758	10.480	ug/l	98
86) p-Isopropyltoluene	13.298	119	72157	10.458	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	35635	10.413	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	35253	10.465	ug/l	96
89) n-Butylbenzene	13.621	91	60744	10.148	ug/l	99
90) Hexachloroethane	13.883	117	14710	10.618	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	31509	10.530	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	1929	10.304	ug/l	94
93) 1,2,4-Trichlorobenzene	14.925	180	16275	9.451	ug/l	100
94) Hexachlorobutadiene	15.029	225	12029	9.909	ug/l	98
95) Naphthalene	15.151	128	25397	8.961	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	13919	9.648	ug/l	97

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

