

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010725\
 Data File : VY020789.D
 Acq On : 07 Jan 2025 09:41
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 08 00:51:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025
 Supervised By :Mahesh Dadoda 01/09/2025

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

Internal Standards						
1) Pentafluorobenzene	7.732	168	199865	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.634	114	292385	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.432	117	244294	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.365	152	118958	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.085	65	94057	55.367	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.740%
35) Dibromofluoromethane	7.658	113	99028	54.061	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.120%
50) Toluene-d8	10.128	98	368088	57.644	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	115.280%
62) 4-Bromofluorobenzene	12.420	95	126584	53.681	ug/l	0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	107.360%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.879	85	66524	45.353	ug/l	96
3) Chloromethane	2.086	50	38367	49.678	ug/l	100
4) Vinyl Chloride	2.220	62	46227	53.843	ug/l	97
5) Bromomethane	2.623	94	26397	43.167	ug/l	99
6) Chloroethane	2.757	64	27336	51.627	ug/l	99
7) Trichlorofluoromethane	3.086	101	128549	48.784	ug/l	94
8) Diethyl Ether	3.482	74	42372	51.421	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.848	101	84814	47.663	ug/l	100
10) Methyl Iodide	4.037	142	99814	52.342	ug/l	97
11) Tert butyl alcohol	4.927	59	27948	217.723	ug/l #	84
12) 1,1-Dichloroethene	3.818	96	77734	49.874	ug/l	99
13) Acrolein	3.690	56	4616	128.049	ug/l	100
14) Allyl chloride	4.421	41	114688	51.004	ug/l	96
15) Acrylonitrile	5.104	53	89686	256.090	ug/l	98
16) Acetone	3.909	43	58427	241.863	ug/l	96
17) Carbon Disulfide	4.141	76	177849	52.600	ug/l	100
18) Methyl Acetate	4.415	43	43953	53.886	ug/l	97
19) Methyl tert-butyl Ether	5.153	73	221192	50.287	ug/l	99
20) Methylene Chloride	4.647	84	83036	49.773	ug/l	96
21) trans-1,2-Dichloroethene	5.147	96	84796	49.404	ug/l	99
22) Diisopropyl ether	6.055	45	250775	52.354	ug/l	99
23) Vinyl Acetate	5.994	43	697148	263.963	ug/l	99
24) 1,1-Dichloroethane	5.951	63	154811	48.986	ug/l	100
25) 2-Butanone	6.933	43	99632	251.075	ug/l	99
26) 2,2-Dichloropropane	6.921	77	155071	47.260	ug/l	99
27) cis-1,2-Dichloroethene	6.927	96	105989	48.943	ug/l	100
28) Bromochloromethane	7.274	49	52018	61.000	ug/l	97
29) Tetrahydrofuran	7.293	42	65947	260.157	ug/l	98
30) Chloroform	7.445	83	171544	47.598	ug/l	99
31) Cyclohexane	7.725	56	117352	47.474	ug/l	98
32) 1,1,1-Trichloroethane	7.646	97	162766	46.301	ug/l	99
36) 1,1-Dichloropropene	7.860	75	114365	48.949	ug/l	100
37) Ethyl Acetate	7.012	43	49494	53.232	ug/l	99
38) Carbon Tetrachloride	7.841	117	154176	47.405	ug/l	98
39) Methylcyclohexane	9.128	83	142843	49.822	ug/l	98
40) Benzene	8.103	78	357231	49.818	ug/l	97

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41) Methacrylonitrile	7.250	41	29983	56.309	ug/l	97
42) 1,2-Dichloroethane	8.183	62	96770	49.416	ug/l	99
43) Isopropyl Acetate	8.219	43	100404	53.092	ug/l	98
44) Trichloroethene	8.884	130	96178	48.114	ug/l	93
45) 1,2-Dichloropropane	9.164	63	82595	50.808	ug/l	98
46) Dibromomethane	9.250	93	47394	50.771	ug/l	98
47) Bromodichloromethane	9.445	83	130853	48.945	ug/l	98
48) Methyl methacrylate	9.237	41	44124	52.044	ug/l	97
49) 1,4-Dioxane	9.262	88	10062	1015.211	ug/l #	81
51) 4-Methyl-2-Pentanone	10.018	43	249063	263.620	ug/l	100
52) Toluene	10.188	92	231912	48.839	ug/l	98
53) t-1,3-Dichloropropene	10.408	75	119350	50.193	ug/l	100
54) cis-1,3-Dichloropropene	9.871	75	140493	50.875	ug/l	97
55) 1,1,2-Trichloroethane	10.591	97	66453	49.829	ug/l	97
56) Ethyl methacrylate	10.457	69	88976	52.829	ug/l	98
57) 1,3-Dichloropropane	10.737	76	109038	50.159	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.731	63	189892	284.203	ug/l	99
59) 2-Hexanone	10.774	43	162919	268.789	ug/l	99
60) Dibromochloromethane	10.926	129	94162	48.683	ug/l	98
61) 1,2-Dibromoethane	11.030	107	59696	49.860	ug/l	99
64) Tetrachloroethene	10.664	164	84364	46.971	ug/l	97
65) Chlorobenzene	11.457	112	261654	48.443	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.530	131	98838	48.068	ug/l	99
67) Ethyl Benzene	11.536	91	456444	48.810	ug/l	97
68) m/p-Xylenes	11.646	106	345580	95.983	ug/l	99
69) o-Xylene	11.969	106	164752	48.261	ug/l	98
70) Styrene	11.987	104	278739	48.506	ug/l	99
71) Bromoform	12.145	173	56758	48.556	ug/l #	99
73) Isopropylbenzene	12.273	105	446584	47.322	ug/l	100
74) N-amyl acetate	12.084	43	82574	53.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.523	83	71986	50.328	ug/l	99
76) 1,2,3-Trichloropropane	12.572	75	49175m	47.245	ug/l	
77) Bromobenzene	12.548	156	104075	47.833	ug/l	98
78) n-propylbenzene	12.615	91	515155	48.093	ug/l	100
79) 2-Chlorotoluene	12.694	91	291151	47.200	ug/l	99
80) 1,3,5-Trimethylbenzene	12.755	105	364185	47.618	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.322	75	25322	51.296	ug/l	99
82) 4-Chlorotoluene	12.792	91	301427	47.351	ug/l	99
83) tert-Butylbenzene	13.011	119	346925	48.500	ug/l	96
84) 1,2,4-Trimethylbenzene	13.060	105	358839	48.047	ug/l	99
85) sec-Butylbenzene	13.194	105	473799	47.420	ug/l	100
86) p-Isopropyltoluene	13.310	119	402124	47.179	ug/l	100
87) 1,3-Dichlorobenzene	13.304	146	199209	47.120	ug/l	100
88) 1,4-Dichlorobenzene	13.383	146	195203	46.906	ug/l	100
89) n-Butylbenzene	13.633	91	353621	47.823	ug/l	99
90) Hexachloroethane	13.895	117	77896	45.514	ug/l	99
91) 1,2-Dichlorobenzene	13.676	146	173107	46.831	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.291	75	11328	48.981	ug/l	98
93) 1,2,4-Trichlorobenzene	14.938	180	104858	49.291	ug/l	99
94) Hexachlorobutadiene	15.041	225	70686	47.134	ug/l	99
95) Naphthalene	15.163	128	179121	51.160	ug/l	100
96) 1,2,3-Trichlorobenzene	15.346	180	85874	48.183	ug/l	99

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

