

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012325\
 Data File : VY020921.D
 Acq On : 23 Jan 2025 19:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/24/2025
 Supervised By : Mahesh Dadoda 01/24/2025

Quant Time: Jan 24 00:21:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	198241	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.627	114	292276	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.426	117	248082	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.358	152	124223	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	80748	47.922	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.840%
35) Dibromofluoromethane	7.652	113	87164	47.602	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.200%
50) Toluene-d8	10.121	98	339426	53.175	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.360%
62) 4-Bromofluorobenzene	12.419	95	111969	47.501	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	95.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	55200	37.941	ug/l	98
3) Chloromethane	2.074	50	36918	48.193	ug/l	99
4) Vinyl Chloride	2.214	62	45980	53.994	ug/l	95
5) Bromomethane	2.610	94	27817	45.862	ug/l	94
6) Chloroethane	2.751	64	29937	57.002	ug/l	98
7) Trichlorofluoromethane	3.074	101	120189	45.985	ug/l	95
8) Diethyl Ether	3.470	74	39693	48.564	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.836	101	83704	47.425	ug/l	100
10) Methyl Iodide	4.025	142	93336	49.346	ug/l	95
11) Tert butyl alcohol	4.903	59	28941	227.306	ug/l	98
12) 1,1-Dichloroethene	3.805	96	71321	46.134	ug/l	95
13) Acrolein	3.677	56	8287	231.767	ug/l	99
14) Allyl chloride	4.403	41	111511	49.997	ug/l	94
15) Acrylonitrile	5.085	53	91179	262.486	ug/l	99
16) Acetone	3.891	43	59526	248.431	ug/l	100
17) Carbon Disulfide	4.128	76	145739	43.456	ug/l	100
18) Methyl Acetate	4.409	43	45915	56.753	ug/l	95
19) Methyl tert-butyl Ether	5.134	73	210187	48.176	ug/l	98
20) Methylene Chloride	4.640	84	80194	48.463	ug/l	99
21) trans-1,2-Dichloroethene	5.140	96	79113	46.470	ug/l	98
22) Diisopropyl ether	6.036	45	260217	54.770	ug/l	99
23) Vinyl Acetate	5.982	43	704525	268.941	ug/l	98
24) 1,1-Dichloroethane	5.939	63	155956	49.753	ug/l	99
25) 2-Butanone	6.914	43	106374	270.261	ug/l	97
26) 2,2-Dichloropropane	6.902	77	147429	45.299	ug/l	100
27) cis-1,2-Dichloroethene	6.908	96	103109	48.003	ug/l	98
28) Bromochloromethane	7.262	49	51347	60.706	ug/l	95
29) Tetrahydrofuran	7.280	42	69151	275.031	ug/l	94
30) Chloroform	7.439	83	171835	48.070	ug/l	97
31) Cyclohexane	7.719	56	112095	45.719	ug/l	97
32) 1,1,1-Trichloroethane	7.634	97	156033	44.749	ug/l	99
36) 1,1-Dichloropropene	7.847	75	110547	47.332	ug/l	99
37) Ethyl Acetate	7.000	43	50139	53.946	ug/l	98
38) Carbon Tetrachloride	7.835	117	143154	44.033	ug/l	97
39) Methylcyclohexane	9.121	83	133626	46.625	ug/l	98
40) Benzene	8.097	78	349120	48.705	ug/l	100

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41) Methacrylonitrile	7.231	41	30616	57.519	ug/l	94
42) 1,2-Dichloroethane	8.170	62	93255	47.639	ug/l	99
43) Isopropyl Acetate	8.213	43	99296	52.526	ug/l	99
44) Trichloroethene	8.877	130	94189	47.136	ug/l	95
45) 1,2-Dichloropropane	9.152	63	85254	52.463	ug/l	100
46) Dibromomethane	9.243	93	47162	50.541	ug/l	99
47) Bromodichloromethane	9.432	83	130899	48.980	ug/l	97
48) Methyl methacrylate	9.231	41	45524	53.715	ug/l	99
49) 1,4-Dioxane	9.249	88	9607	969.665	ug/l	97
51) 4-Methyl-2-Pentanone	10.011	43	262948	278.420	ug/l	98
52) Toluene	10.182	92	228560	48.151	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	119029	50.077	ug/l	98
54) cis-1,3-Dichloropropene	9.865	75	136983	49.623	ug/l	98
55) 1,1,2-Trichloroethane	10.584	97	69395	52.054	ug/l	95
56) Ethyl methacrylate	10.450	69	89720	53.290	ug/l	97
57) 1,3-Dichloropropane	10.725	76	112613	51.823	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	165651	248.015	ug/l	98
59) 2-Hexanone	10.773	43	171923	283.750	ug/l	97
60) Dibromochloromethane	10.920	129	95333	49.307	ug/l	100
61) 1,2-Dibromoethane	11.023	107	61944	51.756	ug/l	99
64) Tetrachloroethene	10.658	164	82435	45.196	ug/l	97
65) Chlorobenzene	11.450	112	260493	47.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.529	131	98226	47.041	ug/l	98
67) Ethyl Benzene	11.529	91	453404	47.745	ug/l	98
68) m/p-Xylenes	11.639	106	344524	94.228	ug/l	97
69) o-Xylene	11.968	106	165701	47.798	ug/l	96
70) Styrene	11.981	104	280340	48.040	ug/l	99
71) Bromoform	12.145	173	58073	48.922	ug/l #	99
73) Isopropylbenzene	12.267	105	451408	45.806	ug/l	100
74) N-amyl acetate	12.078	43	86853	53.879	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.517	83	77355	51.789	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	53566m	49.282	ug/l	
77) Bromobenzene	12.541	156	105046	46.233	ug/l	97
78) n-propylbenzene	12.608	91	523452	46.796	ug/l	99
79) 2-Chlorotoluene	12.688	91	298863	46.397	ug/l	100
80) 1,3,5-Trimethylbenzene	12.749	105	362840	45.432	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.316	75	24923	48.348	ug/l	99
82) 4-Chlorotoluene	12.791	91	307549	46.265	ug/l	99
83) tert-Butylbenzene	13.011	119	349205	46.749	ug/l	96
84) 1,2,4-Trimethylbenzene	13.054	105	357624	45.855	ug/l	99
85) sec-Butylbenzene	13.188	105	484618	46.447	ug/l	100
86) p-Isopropyltoluene	13.303	119	405186	45.523	ug/l	100
87) 1,3-Dichlorobenzene	13.297	146	204570	46.338	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	201035	46.260	ug/l	99
89) n-Butylbenzene	13.627	91	363606	47.089	ug/l	99
90) Hexachloroethane	13.895	117	82607	46.221	ug/l	99
91) 1,2-Dichlorobenzene	13.669	146	180992	46.888	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	11189	46.330	ug/l	99
93) 1,2,4-Trichlorobenzene	14.931	180	107024	48.177	ug/l	100
94) Hexachlorobutadiene	15.035	225	72548	46.325	ug/l	99
95) Naphthalene	15.157	128	179711	49.153	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	91088	48.942	ug/l	99

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

