

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020971.D
 Acq On : 29 Jan 2025 17:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 30 00:37:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	215707	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	327291	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.414	117	295620	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	152931	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	95513	55.536	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.080%
35) Dibromofluoromethane	7.634	113	98971	52.674	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.340%
50) Toluene-d8	10.103	98	372059	51.051	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.100%
62) 4-Bromofluorobenzene	12.408	95	132294	54.543	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	109.080%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	82591	50.623	ug/l	96
3) Chloromethane	2.068	50	67159	55.345	ug/l	100
4) Vinyl Chloride	2.202	62	68617	51.883	ug/l	97
5) Bromomethane	2.592	94	48658	54.320	ug/l	97
6) Chloroethane	2.733	64	42815	55.181	ug/l	99
7) Trichlorofluoromethane	3.056	101	143831	51.187	ug/l	97
8) Diethyl Ether	3.452	74	52996	61.365	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	97497	52.585	ug/l	99
10) Methyl Iodide	4.001	142	116503	52.726	ug/l	99
11) Tert butyl alcohol	4.848	59	38509	290.052	ug/l	99
12) 1,1-Dichloroethene	3.787	96	94360	53.891	ug/l	99
13) Acrolein	3.653	56	52825	293.496	ug/l	96
14) Allyl chloride	4.385	41	141684	57.976	ug/l	99
15) Acrylonitrile	5.049	53	111594	328.727	ug/l	99
16) Acetone	3.861	43	77697	333.437	ug/l	94
17) Carbon Disulfide	4.104	76	293779	54.329	ug/l	99
18) Methyl Acetate	4.385	43	55774	66.258	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	253821	62.587	ug/l	99
20) Methylene Chloride	4.610	84	103484	59.714	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	106413	56.368	ug/l	96
22) Diisopropyl ether	6.019	45	307352	62.524	ug/l	99
23) Vinyl Acetate	5.958	43	882496	324.377	ug/l	100
24) 1,1-Dichloroethane	5.915	63	186636	59.895	ug/l	98
25) 2-Butanone	6.890	43	133860	339.128	ug/l	94
26) 2,2-Dichloropropane	6.884	77	151463	49.348	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	127208	59.706	ug/l	98
28) Bromochloromethane	7.244	49	79777	63.612	ug/l	98
29) Tetrahydrofuran	7.262	42	90553	344.224	ug/l	100
30) Chloroform	7.421	83	196598	59.612	ug/l	98
31) Cyclohexane	7.701	56	152419	49.767	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	177552	55.503	ug/l	99
36) 1,1-Dichloropropene	7.835	75	139730	53.265	ug/l	99
37) Ethyl Acetate	6.982	43	64113	62.992	ug/l	99
38) Carbon Tetrachloride	7.817	117	165174	52.211	ug/l	95
39) Methylcyclohexane	9.103	83	179135	50.440	ug/l	99
40) Benzene	8.079	78	434448	56.450	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	34788	64.702	ug/l	97
42) 1,2-Dichloroethane	8.152	62	115949	60.548	ug/l	100
43) Isopropyl Acetate	8.195	43	123726	64.106	ug/l	99
44) Trichloroethene	8.860	130	113751	54.404	ug/l	99
45) 1,2-Dichloropropane	9.140	63	100946	59.421	ug/l	98
46) Dibromomethane	9.232	93	58458	60.528	ug/l	98
47) Bromodichloromethane	9.420	83	153009	59.542	ug/l	97
48) Methyl methacrylate	9.219	41	57432	63.082	ug/l	98
49) 1,4-Dioxane	9.219	88	13812	1388.962	ug/l	96
51) 4-Methyl-2-Pentanone	9.994	43	323060	331.967	ug/l	99
52) Toluene	10.170	92	280365	56.643	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	140230	59.515	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	162940	57.914	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	80230	61.456	ug/l	98
56) Ethyl methacrylate	10.439	69	110152	64.382	ug/l	99
57) 1,3-Dichloropropane	10.713	76	134457	60.627	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	246813	317.841	ug/l	100
59) 2-Hexanone	10.756	43	218020	348.398	ug/l	98
60) Dibromochloromethane	10.908	129	113736	61.903	ug/l	97
61) 1,2-Dibromoethane	11.012	107	76954	61.629	ug/l	97
64) Tetrachloroethene	10.646	164	102364	49.757	ug/l	96
65) Chlorobenzene	11.438	112	312706	54.093	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	112515	54.772	ug/l	100
67) Ethyl Benzene	11.518	91	539116	53.445	ug/l	100
68) m/p-Xylenes	11.627	106	417359	108.053	ug/l	99
69) o-Xylene	11.957	106	198288	54.958	ug/l	98
70) Styrene	11.969	104	337607	57.096	ug/l	99
71) Bromoform	12.133	173	68071	58.519	ug/l	99
73) Isopropylbenzene	12.255	105	521106	49.475	ug/l	100
74) N-amyl acetate	12.072	43	111439	59.459	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	91385	55.764	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	65080m	60.188	ug/l	
77) Bromobenzene	12.530	156	128172	51.914	ug/l	99
78) n-propylbenzene	12.597	91	613433	49.999	ug/l	100
79) 2-Chlorotoluene	12.682	91	356981	51.301	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	429776	50.781	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	29645	52.969	ug/l	97
82) 4-Chlorotoluene	12.780	91	368879	51.913	ug/l	100
83) tert-Butylbenzene	12.999	119	398347	51.029	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	433596	52.042	ug/l	99
85) sec-Butylbenzene	13.176	105	553893	49.767	ug/l	100
86) p-Isopropyltoluene	13.292	119	474281	50.440	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	245263	51.877	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	244717	52.692	ug/l	100
89) n-Butylbenzene	13.615	91	420092	50.650	ug/l	100
90) Hexachloroethane	13.883	117	96618	51.726	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	218530	53.351	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14223	57.774	ug/l	99
93) 1,2,4-Trichlorobenzene	14.926	180	135290	54.904	ug/l	99
94) Hexachlorobutadiene	15.029	225	85593	50.770	ug/l	99
95) Naphthalene	15.145	128	235276	59.543	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	119042	57.503	ug/l	99

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

