

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013125\
 Data File : VY020999.D
 Acq On : 31 Jan 2025 09:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 31 22:19:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 16:50:06 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/03/2025
 Supervised By :Semsettin Yesilyurt 02/03/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	207700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	293045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	251514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	128950	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	83382	47.152	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.300%
35) Dibromofluoromethane	7.646	113	87307	49.557	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.120%
50) Toluene-d8	10.115	98	337455	49.076	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.160%
62) 4-Bromofluorobenzene	12.414	95	115676	50.134	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	100.260%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	93566	52.980	ug/l	98
3) Chloromethane	2.074	50	51929	46.250	ug/l	97
4) Vinyl Chloride	2.214	62	56522	48.823	ug/l	99
5) Bromomethane	2.604	94	38600	49.253	ug/l	96
6) Chloroethane	2.745	64	32536	48.111	ug/l	96
7) Trichlorofluoromethane	3.074	101	147980	52.968	ug/l	99
8) Diethyl Ether	3.464	74	45216	54.213	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.830	101	99164	52.712	ug/l	99
10) Methyl Iodide	4.019	142	111029	51.575	ug/l	99
11) Tert butyl alcohol	4.860	59	28646	221.757	ug/l	100
12) 1,1-Dichloroethene	3.805	96	92265	52.481	ug/l	97
13) Acrolein	3.665	56	36416	244.805	ug/l	98
14) Allyl chloride	4.397	41	122027	50.418	ug/l	99
15) Acrylonitrile	5.067	53	91721	267.353	ug/l	99
16) Acetone	3.879	43	62836	260.705	ug/l	98
17) Carbon Disulfide	4.116	76	283072	52.278	ug/l	99
18) Methyl Acetate	4.391	43	43787	51.919	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	220064	53.779	ug/l	98
20) Methylene Chloride	4.628	84	89690	50.454	ug/l	97
21) trans-1,2-Dichloroethene	5.128	96	99463	52.768	ug/l	98
22) Diisopropyl ether	6.031	45	244989	49.658	ug/l	98
23) Vinyl Acetate	5.970	43	710422	260.026	ug/l	99
24) 1,1-Dichloroethane	5.927	63	161160	50.635	ug/l	99
25) 2-Butanone	6.902	43	105966	259.160	ug/l	98
26) 2,2-Dichloropropane	6.896	77	159413	50.872	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	111861	51.631	ug/l	98
28) Bromochloromethane	7.256	49	59513	50.188	ug/l	93
29) Tetrahydrofuran	7.268	42	71707	260.618	ug/l	96
30) Chloroform	7.433	83	175365	50.871	ug/l	98
31) Cyclohexane	7.713	56	146184	46.990	ug/l	99
32) 1,1,1-Trichloroethane	7.628	97	175331	52.554	ug/l	98
36) 1,1-Dichloropropene	7.847	75	131349	52.262	ug/l	99
37) Ethyl Acetate	6.994	43	50310	53.693	ug/l	97
38) Carbon Tetrachloride	7.829	117	170314	54.760	ug/l	98
39) Methylcyclohexane	9.115	83	179119	53.052	ug/l	98
40) Benzene	8.091	78	386826	52.308	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	26584	51.277	ug/l	91
42) 1,2-Dichloroethane	8.164	62	102414	54.606	ug/l	99
43) Isopropyl Acetate	8.207	43	99771	53.299	ug/l #	83
44) Trichloroethene	8.872	130	108518	53.180	ug/l	97
45) 1,2-Dichloropropane	9.146	63	84044	50.704	ug/l	97
46) Dibromomethane	9.237	93	52011	53.920	ug/l	99
47) Bromodichloromethane	9.432	83	132087	52.143	ug/l	98
48) Methyl methacrylate	9.225	41	46338	51.994	ug/l	94
49) 1,4-Dioxane	9.237	88	11335	1105.868	ug/l	94
51) 4-Methyl-2-Pentanone	10.006	43	253363	263.409	ug/l	98
52) Toluene	10.176	92	256051	53.341	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	124510	54.316	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	142242	51.918	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	67425	52.561	ug/l	98
56) Ethyl methacrylate	10.445	69	92889	55.397	ug/l	96
57) 1,3-Dichloropropane	10.725	76	114332	52.584	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	184526	259.278	ug/l	96
59) 2-Hexanone	10.768	43	170780	273.157	ug/l	99
60) Dibromochloromethane	10.920	129	98924	54.085	ug/l	99
61) 1,2-Dibromoethane	11.024	107	64731	52.830	ug/l	100
64) Tetrachloroethene	10.652	164	101248	53.366	ug/l	100
65) Chlorobenzene	11.450	112	279614	52.766	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	101125	53.769	ug/l	98
67) Ethyl Benzene	11.524	91	495303	53.984	ug/l	100
68) m/p-Xylenes	11.633	106	380479	107.934	ug/l	99
69) o-Xylene	11.963	106	178798	54.561	ug/l	99
70) Styrene	11.975	104	299566	55.060	ug/l	100
71) Bromoform	12.139	173	62269	56.178	ug/l #	100
73) Isopropylbenzene	12.261	105	487533	53.833	ug/l	100
74) N-amyl acetate	12.078	43	86506	52.456	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	74545	50.992	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	47272m	46.309	ug/l	
77) Bromobenzene	12.542	156	114786	53.459	ug/l	98
78) n-propylbenzene	12.603	91	565187	53.249	ug/l	99
79) 2-Chlorotoluene	12.688	91	317512	52.504	ug/l	98
80) 1,3,5-Trimethylbenzene	12.743	105	397355	53.554	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	26453	53.793	ug/l	97
82) 4-Chlorotoluene	12.786	91	324611	52.448	ug/l	98
83) tert-Butylbenzene	13.005	119	364649	52.990	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	392252	54.120	ug/l	100
85) sec-Butylbenzene	13.182	105	517816	53.150	ug/l	99
86) p-Isopropyltoluene	13.298	119	446250	54.505	ug/l	100
87) 1,3-Dichlorobenzene	13.298	146	220040	52.558	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	217853	52.402	ug/l	99
89) n-Butylbenzene	13.627	91	390370	53.232	ug/l	99
90) Hexachloroethane	13.889	117	86723	52.357	ug/l	97
91) 1,2-Dichlorobenzene	13.670	146	196299	53.767	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	12212	54.260	ug/l	97
93) 1,2,4-Trichlorobenzene	14.932	180	123884	55.419	ug/l	99
94) Hexachlorobutadiene	15.035	225	82625	53.367	ug/l	100
95) Naphthalene	15.157	128	206179	50.662	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	105099	48.797	ug/l	99

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

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