

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021451.D
 Acq On : 07 Mar 2025 09:59
 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: Mar 07 21:59:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
 Supervised By :Semsettin Yesilyurt 03/11/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	212653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	324643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	291936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	151541	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	118388	52.673	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.340%	
35) Dibromofluoromethane	7.634	113	114359	53.591	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.180%	
50) Toluene-d8	10.109	98	438551	54.278	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.560%	
62) 4-Bromofluorobenzene	12.408	95	149818	54.511	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.020%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	92952	47.633	ug/l	97
3) Chloromethane	2.068	50	140754	51.160	ug/l	97
4) Vinyl Chloride	2.208	62	165102	54.913	ug/l	95
5) Bromomethane	2.598	94	108731	50.038	ug/l	93
6) Chloroethane	2.739	64	116189	58.478	ug/l	98
7) Trichlorofluoromethane	3.062	101	247591	58.999	ug/l	99
8) Diethyl Ether	3.458	74	57438	49.389	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	122660	51.194	ug/l	98
10) Methyl Iodide	4.007	142	130359	53.524	ug/l	98
11) Tert butyl alcohol	4.872	59	32170	217.181	ug/l #	72
12) 1,1-Dichloroethene	3.793	96	109132	49.960	ug/l	100
13) Acrolein	3.653	56	4140	36.213	ug/l	94
14) Allyl chloride	4.385	41	182499	51.698	ug/l	99
15) Acrylonitrile	5.061	53	122735	247.916	ug/l	100
16) Acetone	3.873	43	128966	263.075	ug/l	92
17) Carbon Disulfide	4.104	76	347050	50.695	ug/l	100
18) Methyl Acetate	4.385	43	59587	54.782	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	277390	50.102	ug/l	99
20) Methylene Chloride	4.616	84	122314	47.532	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	124741	50.991	ug/l	98
22) Diisopropyl ether	6.019	45	405674	53.324	ug/l	99
23) Vinyl Acetate	5.958	43	1124928	259.094	ug/l	99
24) 1,1-Dichloroethane	5.915	63	232909	51.872	ug/l	99
25) 2-Butanone	6.896	43	173030	255.158	ug/l	95
26) 2,2-Dichloropropane	6.884	77	210852	51.037	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	143612	51.675	ug/l	100
28) Bromochloromethane	7.244	49	95177	50.561	ug/l	98
29) Tetrahydrofuran	7.262	42	104576	249.797	ug/l	99
30) Chloroform	7.421	83	244896	52.525	ug/l	98
31) Cyclohexane	7.701	56	208697	49.578	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	219670	51.456	ug/l	100
36) 1,1-Dichloropropene	7.835	75	176927	52.968	ug/l	98
37) Ethyl Acetate	6.982	43	75156	50.906	ug/l	99
38) Carbon Tetrachloride	7.817	117	200378	52.161	ug/l	96
39) Methylcyclohexane	9.109	83	220328	53.775	ug/l	99
40) Benzene	8.079	78	517955	52.639	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	38383	47.747	ug/l #	93
42) 1,2-Dichloroethane	8.158	62	145297	52.784	ug/l	100
43) Isopropyl Acetate	8.195	43	143719	50.147	ug/l #	85
44) Trichloroethene	8.866	130	128256	51.581	ug/l	98
45) 1,2-Dichloropropane	9.140	63	124539	53.180	ug/l	98
46) Dibromomethane	9.231	93	68675	52.704	ug/l	98
47) Bromodichloromethane	9.420	83	184182	53.225	ug/l	99
48) Methyl methacrylate	9.219	41	69586	52.875	ug/l	98
49) 1,4-Dioxane	9.225	88	13340	1043.032	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	383449	259.306	ug/l	99
52) Toluene	10.170	92	332775	53.643	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	163450	53.613	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	192260	53.116	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	90308	52.982	ug/l	96
56) Ethyl methacrylate	10.438	69	115815	53.277	ug/l	99
57) 1,3-Dichloropropane	10.719	76	154604	52.334	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	273061	272.111	ug/l	100
59) 2-Hexanone	10.762	43	264611	270.623	ug/l	98
60) Dibromochloromethane	10.914	129	123851	53.002	ug/l	99
61) 1,2-Dibromoethane	11.018	107	83526	51.922	ug/l	98
64) Tetrachloroethene	10.646	164	120667	50.830	ug/l	99
65) Chlorobenzene	11.444	112	355846	51.617	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	127708	52.396	ug/l	99
67) Ethyl Benzene	11.524	91	648101	53.561	ug/l	100
68) m/p-Xylenes	11.627	106	493806	107.493	ug/l	99
69) o-Xylene	11.956	106	224944	53.130	ug/l	98
70) Styrene	11.969	104	385006	54.815	ug/l	100
71) Bromoform	12.133	173	70056	51.417	ug/l #	99
73) Isopropylbenzene	12.255	105	612734	51.329	ug/l	100
74) N-amyl acetate	12.072	43	130532	50.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	103195	48.988	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	78892m	51.663	ug/l	
77) Bromobenzene	12.536	156	138017	49.420	ug/l	100
78) n-propylbenzene	12.597	91	756235	52.163	ug/l	100
79) 2-Chlorotoluene	12.682	91	421941	50.900	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	508497	52.417	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	32800	48.829	ug/l	99
82) 4-Chlorotoluene	12.779	91	432838	50.423	ug/l	99
83) tert-Butylbenzene	12.999	119	450950	52.108	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	505770	52.510	ug/l	99
85) sec-Butylbenzene	13.176	105	665822	51.710	ug/l	99
86) p-Isopropyltoluene	13.292	119	559380	52.732	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	277327	49.887	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	272960	50.207	ug/l	99
89) n-Butylbenzene	13.621	91	528248	53.928	ug/l	100
90) Hexachloroethane	13.883	117	113792	50.283	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	239550	50.277	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15548	49.273	ug/l	91
93) 1,2,4-Trichlorobenzene	14.925	180	133987	51.485	ug/l	98
94) Hexachlorobutadiene	15.029	225	86118	52.790	ug/l	99
95) Naphthalene	15.145	128	219063	49.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	112240	51.280	ug/l	98

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

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