

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010625\
 Data File : VY020777.D
 Acq On : 06 Jan 2025 10:46
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/07/2025
 Supervised By :Semsettin Yesilyurt 01/07/2025

Quant Time: Jan 07 01:21:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 00:58:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	172274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	249980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	209657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	102842	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	83137	56.777	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.560%
35) Dibromofluoromethane	7.640	113	84923	54.226	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.460%
50) Toluene-d8	10.109	98	321709	58.927	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	117.860%
62) 4-Bromofluorobenzene	12.408	95	108574	53.854	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	107.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	62344	49.311	ug/l	100
3) Chloromethane	2.074	50	32682	49.094	ug/l	100
4) Vinyl Chloride	2.208	62	37699	50.943	ug/l	100
5) Bromomethane	2.604	94	25399	48.187	ug/l	100
6) Chloroethane	2.745	64	23107	50.629	ug/l	100
7) Trichlorofluoromethane	3.068	101	113828	50.116	ug/l	100
8) Diethyl Ether	3.464	74	36680	51.642	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.830	101	76687	49.998	ug/l	100
10) Methyl Iodide	4.013	142	87486	53.225	ug/l	100
11) Tert butyl alcohol	4.872	59	27474	248.309	ug/l	100
12) 1,1-Dichloroethene	3.799	96	69378	51.642	ug/l	100
13) Acrolein	3.665	56	4494	144.631	ug/l	100
14) Allyl chloride	4.391	41	97928	50.525	ug/l	100
15) Acrylonitrile	5.067	53	81503	269.997	ug/l	100
16) Acetone	3.879	43	55724	267.618	ug/l	100
17) Carbon Disulfide	4.122	76	157047	53.886	ug/l	100
18) Methyl Acetate	4.397	43	38949	55.399	ug/l	100
19) Methyl tert-butyl Ether	5.128	73	196680	51.875	ug/l	100
20) Methylene Chloride	4.628	84	72036	50.095	ug/l	100
21) trans-1,2-Dichloroethene	5.128	96	75340	50.925	ug/l	100
22) Diisopropyl ether	6.031	45	208999	50.620	ug/l	100
23) Vinyl Acetate	5.970	43	603375	265.047	ug/l	100
24) 1,1-Dichloroethane	5.927	63	135643	49.795	ug/l	100
25) 2-Butanone	6.902	43	93445	273.199	ug/l	100
26) 2,2-Dichloropropane	6.890	77	139959	49.486	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	94000	50.359	ug/l	100
28) Bromochloromethane	7.256	49	43671	59.413	ug/l	100
29) Tetrahydrofuran	7.268	42	59716	273.305	ug/l	100
30) Chloroform	7.427	83	153906	49.544	ug/l	100
31) Cyclohexane	7.707	56	104202	48.906	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	150332	49.613	ug/l	100
36) 1,1-Dichloropropene	7.841	75	103382	51.754	ug/l	100
37) Ethyl Acetate	6.988	43	42813	53.858	ug/l	100
38) Carbon Tetrachloride	7.823	117	140978	50.700	ug/l	100
39) Methylcyclohexane	9.116	83	127845	52.155	ug/l	100
40) Benzene	8.085	78	314194	51.249	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	25918	56.930	ug/l	100
42) 1,2-Dichloroethane	8.164	62	87813	52.449	ug/l	100
43) Isopropyl Acetate	8.201	43	87247	53.961	ug/l	100
44) Trichloroethene	8.872	130	86316	50.505	ug/l	100
45) 1,2-Dichloropropane	9.146	63	70732	50.892	ug/l	100
46) Dibromomethane	9.237	93	41649	52.185	ug/l	100
47) Bromodichloromethane	9.426	83	117221	51.284	ug/l	100
48) Methyl methacrylate	9.225	41	40759	56.230	ug/l	100
49) 1,4-Dioxane	9.237	88	9733	1148.599	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	225583	279.270	ug/l	100
52) Toluene	10.176	92	208932	51.464	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	108857	53.546	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	122275	51.789	ug/l	100
55) 1,1,2-Trichloroethane	10.579	97	57654	50.565	ug/l	100
56) Ethyl methacrylate	10.445	69	78496	54.512	ug/l	100
57) 1,3-Dichloropropane	10.719	76	97572	52.498	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	162445	284.366	ug/l	100
59) 2-Hexanone	10.762	43	148109	285.806	ug/l	100
60) Dibromochloromethane	10.914	129	85869	51.926	ug/l	100
61) 1,2-Dibromoethane	11.018	107	53509	52.273	ug/l	100
64) Tetrachloroethene	10.652	164	78568	50.971	ug/l	100
65) Chlorobenzene	11.444	112	233941	50.467	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	88704	50.266	ug/l	100
67) Ethyl Benzene	11.524	91	412177	51.358	ug/l	100
68) m/p-Xylenes	11.633	106	314202	101.685	ug/l	100
69) o-Xylene	11.956	106	148137	50.563	ug/l	100
70) Styrene	11.975	104	254198	51.543	ug/l	100
71) Bromoform	12.133	173	52647	52.480	ug/l #	100
73) Isopropylbenzene	12.255	105	413538	50.687	ug/l	100
74) N-amyl acetate	12.072	43	73682	55.211	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.511	83	65576	53.031	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	44208m	48.562	ug/l	
77) Bromobenzene	12.536	156	94894	50.448	ug/l	100
78) n-propylbenzene	12.597	91	470058	50.760	ug/l	100
79) 2-Chlorotoluene	12.682	91	268751	50.396	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	335394	50.726	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	23689	55.508	ug/l	100
82) 4-Chlorotoluene	12.779	91	276448	50.232	ug/l	100
83) tert-Butylbenzene	12.999	119	308716	49.921	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	331714	51.375	ug/l	100
85) sec-Butylbenzene	13.182	105	440957	51.049	ug/l	100
86) p-Isopropyltoluene	13.298	119	374493	50.822	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	183640	50.245	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	179745	49.960	ug/l	100
89) n-Butylbenzene	13.621	91	327954	51.302	ug/l	100
90) Hexachloroethane	13.883	117	73051	49.372	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	160636	50.267	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10194	50.985	ug/l	100
93) 1,2,4-Trichlorobenzene	14.925	180	95880	52.134	ug/l	100
94) Hexachlorobutadiene	15.029	225	64206	49.522	ug/l	100
95) Naphthalene	15.151	128	161153	53.241	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	77989	50.616	ug/l	100

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

