

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030425\
 Data File : VY021396.D
 Acq On : 04 Mar 2025 09:23
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
 Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 05 04:17:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 03:21:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	209241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	348239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	292669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	134858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	13051	5.901	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.800%#		
35) Dibromofluoromethane	7.646	113	12384	5.410	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.820%#		
50) Toluene-d8	10.115	98	41531	4.792	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.580%#		
62) 4-Bromofluorobenzene	12.414	95	14166	4.805	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.620%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	10255	5.341	ug/l	98
3) Chloromethane	2.074	50	16036	5.924	ug/l	98
4) Vinyl Chloride	2.214	62	16997	5.745	ug/l	95
5) Bromomethane	2.611	94	12947	6.055	ug/l	80
6) Chloroethane	2.745	64	10900	5.575	ug/l	94
7) Trichlorofluoromethane	3.068	101	23034	5.578	ug/l	100
8) Diethyl Ether	3.470	74	5958	5.207	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.830	101	13229	5.611	ug/l	97
10) Methyl Iodide	4.019	142	11229	4.686	ug/l	98
11) Tert butyl alcohol	4.879	59	5801m	19.573	ug/l	
12) 1,1-Dichloroethene	3.800	96	11676	5.432	ug/l	94
14) Allyl chloride	4.397	41	18710	5.387	ug/l	97
15) Acrylonitrile	5.068	53	12251	25.150	ug/l	98
16) Acetone	3.879	43	14641	30.353	ug/l	91
17) Carbon Disulfide	4.117	76	37874	5.623	ug/l	100
18) Methyl Acetate	4.403	43	5454	5.096	ug/l #	82
19) Methyl tert-butyl Ether	5.129	73	27020	4.960	ug/l	95
20) Methylene Chloride	4.629	84	17423	6.881	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	12729	5.288	ug/l	93
22) Diisopropyl ether	6.031	45	37999	5.076	ug/l	96
23) Vinyl Acetate	5.976	43	98961	23.164	ug/l	99
24) 1,1-Dichloroethane	5.927	63	24700	5.591	ug/l	99
25) 2-Butanone	6.909	43	17043	25.542	ug/l	93
26) 2,2-Dichloropropane	6.890	77	23829	5.862	ug/l	97
27) cis-1,2-Dichloroethene	6.897	96	14528	5.313	ug/l	96
28) Bromochloromethane	7.250	49	10771	5.815	ug/l	93
29) Tetrahydrofuran	7.275	42	10048	24.393	ug/l	98
30) Chloroform	7.433	83	26044	5.677	ug/l	94
31) Cyclohexane	7.713	56	24260	5.857	ug/l #	87
32) 1,1,1-Trichloroethane	7.622	97	23548	5.606	ug/l	98
36) 1,1-Dichloropropene	7.841	75	18055	5.039	ug/l	99
37) Ethyl Acetate	7.000	43	8021m	5.065	ug/l	
38) Carbon Tetrachloride	7.829	117	21263	5.160	ug/l	99
39) Methylcyclohexane	9.116	83	20783	4.729	ug/l	97
40) Benzene	8.091	78	54259	5.141	ug/l	97
41) Methacrylonitrile	7.232	41	3321m	3.851	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.165	62	15397	5.214	ug/l	98
43) Isopropyl Acetate	8.207	43	13399	4.358	ug/l #	90
44) Trichloroethene	8.878	130	14299	5.361	ug/l	90
45) 1,2-Dichloropropane	9.152	63	12983	5.168	ug/l	100
46) Dibromomethane	9.244	93	6952	4.974	ug/l	97
47) Bromodichloromethane	9.433	83	19244	5.184	ug/l	93
48) Methyl methacrylate	9.225	41	5463	3.870	ug/l	92
49) 1,4-Dioxane	9.244	88	1414	103.067	ug/l #	80
51) 4-Methyl-2-Pentanone	10.006	43	33371	21.038	ug/l	98
52) Toluene	10.176	92	31197	4.688	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	14679	4.489	ug/l	97
54) cis-1,3-Dichloropropene	9.866	75	17919	4.615	ug/l	96
55) 1,1,2-Trichloroethane	10.579	97	9673	5.290	ug/l	94
56) Ethyl methacrylate	10.445	69	9219	3.954	ug/l	95
57) 1,3-Dichloropropane	10.725	76	15462	4.879	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	22255	20.675	ug/l	99
59) 2-Hexanone	10.768	43	20948	19.972	ug/l	97
60) Dibromochloromethane	10.920	129	11698	4.667	ug/l	99
61) 1,2-Dibromoethane	11.024	107	8384	4.859	ug/l	98
64) Tetrachloroethene	10.652	164	13216	5.553	ug/l	92
65) Chlorobenzene	11.451	112	36275	5.249	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.524	131	12183	4.986	ug/l	95
67) Ethyl Benzene	11.524	91	56589	4.665	ug/l	98
68) m/p-Xylenes	11.633	106	42629	9.256	ug/l	100
69) o-Xylene	11.963	106	19307	4.549	ug/l	97
70) Styrene	11.975	104	29784	4.230	ug/l	98
71) Bromoform	12.140	173	6726	4.924	ug/l #	98
73) Isopropylbenzene	12.261	105	50177	4.723	ug/l	100
74) N-amyl acetate	12.079	43	8861	3.841	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.511	83	9563	5.101	ug/l	93
76) 1,2,3-Trichloropropane	12.566	75	7416m	5.457	ug/l	
77) Bromobenzene	12.542	156	12464	5.015	ug/l	97
78) n-propylbenzene	12.603	91	61700	4.782	ug/l	99
79) 2-Chlorotoluene	12.688	91	37082	5.027	ug/l	97
80) 1,3,5-Trimethylbenzene	12.743	105	40513	4.693	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	2822	4.721	ug/l	97
82) 4-Chlorotoluene	12.786	91	38376	5.024	ug/l	100
83) tert-Butylbenzene	13.005	119	36372	4.723	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	39034	4.554	ug/l	99
85) sec-Butylbenzene	13.182	105	54705	4.774	ug/l	99
86) p-Isopropyltoluene	13.298	119	41742	4.422	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	25163	5.086	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	25462	5.263	ug/l	95
89) n-Butylbenzene	13.627	91	38950	4.468	ug/l	99
90) Hexachloroethane	13.889	117	10751	5.338	ug/l	97
91) 1,2-Dichlorobenzene	13.670	146	21820	5.146	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1603	5.708	ug/l	77
93) 1,2,4-Trichlorobenzene	14.932	180	8660	3.739	ug/l	94
94) Hexachlorobutadiene	15.029	225	7238	4.986	ug/l	96
95) Naphthalene	15.151	128	11422	4.558	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	7599	3.901	ug/l	98

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

