

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021346.D
 Acq On : 27 Feb 2025 10:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 02/28/2025
 Supervised By : Semsettin Yesilyurt 02/28/2025

Quant Time: Feb 28 00:39:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	216838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	336652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	146841	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	121017	49.197	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.400%
35) Dibromofluoromethane	7.634	113	112378	50.916	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.840%
50) Toluene-d8	10.109	98	424430	49.758	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.520%
62) 4-Bromofluorobenzene	12.408	95	142970	49.803	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.600%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	89451	43.510	ug/l	96
3) Chloromethane	2.068	50	115226	43.398	ug/l	98
4) Vinyl Chloride	2.202	62	120087	46.080	ug/l	98
5) Bromomethane	2.592	94	76928	44.421	ug/l	99
6) Chloroethane	2.733	64	76655	47.433	ug/l	99
7) Trichlorofluoromethane	3.056	101	185757	47.198	ug/l	96
8) Diethyl Ether	3.452	74	57510	48.685	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	104835	46.008	ug/l	99
10) Methyl Iodide	4.001	142	123304	51.435	ug/l	99
11) Tert butyl alcohol	4.860	59	38335	202.609	ug/l	99
12) 1,1-Dichloroethene	3.787	96	101275	46.418	ug/l	94
13) Acrolein	3.647	56	8893	61.335	ug/l	94
14) Allyl chloride	4.379	41	177389	45.858	ug/l	99
15) Acrylonitrile	5.055	53	122583	234.709	ug/l	100
16) Acetone	3.866	43	116573	247.053	ug/l	96
17) Carbon Disulfide	4.104	76	333979	46.099	ug/l	99
18) Methyl Acetate	4.385	43	55015	47.708	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	282838	49.066	ug/l	100
20) Methylene Chloride	4.610	84	113459	44.466	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	115652	48.151	ug/l	98
22) Diisopropyl ether	6.019	45	377852	47.204	ug/l	98
23) Vinyl Acetate	5.958	43	1144384	239.240	ug/l	100
24) 1,1-Dichloroethane	5.915	63	211938	46.976	ug/l	99
25) 2-Butanone	6.890	43	168838	237.086	ug/l	96
26) 2,2-Dichloropropane	6.878	77	190004	46.413	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	133307	48.604	ug/l	97
28) Bromochloromethane	7.244	49	98374	49.278	ug/l	98
29) Tetrahydrofuran	7.256	42	109505	235.247	ug/l	99
30) Chloroform	7.421	83	216589	47.377	ug/l	99
31) Cyclohexane	7.701	56	185986	42.885	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	196015	47.106	ug/l	99
36) 1,1-Dichloropropene	7.835	75	155190	46.810	ug/l	99
37) Ethyl Acetate	6.982	43	76874	46.614	ug/l	98
38) Carbon Tetrachloride	7.817	117	176563	47.372	ug/l	100
39) Methylcyclohexane	9.109	83	191303	45.621	ug/l	99
40) Benzene	8.079	78	465038	47.451	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	41275	44.764	ug/l	91
42) 1,2-Dichloroethane	8.158	62	135785	48.834	ug/l	100
43) Isopropyl Acetate	8.195	43	150377	47.110	ug/l #	86
44) Trichloroethene	8.866	130	117718	47.977	ug/l	98
45) 1,2-Dichloropropane	9.140	63	111459	47.258	ug/l	98
46) Dibromomethane	9.231	93	62998	48.866	ug/l	99
47) Bromodichloromethane	9.420	83	168603	49.049	ug/l	99
48) Methyl methacrylate	9.219	41	70974	47.548	ug/l	96
49) 1,4-Dioxane	9.225	88	14834	1034.825	ug/l	89
51) 4-Methyl-2-Pentanone	10.000	43	397113	243.033	ug/l	99
52) Toluene	10.170	92	295469	48.531	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	155924	49.509	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	180216	48.471	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	80212	47.760	ug/l	97
56) Ethyl methacrylate	10.438	69	118449	51.042	ug/l	97
57) 1,3-Dichloropropane	10.719	76	143446	48.674	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	268918	241.429	ug/l	99
59) 2-Hexanone	10.762	43	264507	246.484	ug/l	98
60) Dibromochloromethane	10.908	129	112424	49.151	ug/l	100
61) 1,2-Dibromoethane	11.018	107	76619	48.188	ug/l	97
64) Tetrachloroethene	10.646	164	103607	45.972	ug/l	98
65) Chlorobenzene	11.444	112	318660	47.611	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	112125	47.843	ug/l	99
67) Ethyl Benzene	11.518	91	568987	47.994	ug/l	99
68) m/p-Xylenes	11.627	106	424503	95.197	ug/l	99
69) o-Xylene	11.957	106	201012	48.118	ug/l	98
70) Styrene	11.969	104	338828	48.749	ug/l	100
71) Bromoform	12.133	173	65877	49.136	ug/l #	100
73) Isopropylbenzene	12.255	105	534388	48.407	ug/l	100
74) N-amyl acetate	12.072	43	137883	49.139	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	93722	48.104	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	71287m	48.501	ug/l	
77) Bromobenzene	12.530	156	124444	48.465	ug/l	98
78) n-propylbenzene	12.597	91	643447	48.033	ug/l	100
79) 2-Chlorotoluene	12.682	91	366017	47.609	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	439469	48.538	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	32102	48.545	ug/l	98
82) 4-Chlorotoluene	12.780	91	381031	47.811	ug/l	100
83) tert-Butylbenzene	12.999	119	389054	47.569	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	438264	48.670	ug/l	99
85) sec-Butylbenzene	13.176	105	563465	47.165	ug/l	100
86) p-Isopropyltoluene	13.292	119	475557	47.673	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	238997	47.054	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	234683	46.771	ug/l	100
89) n-Butylbenzene	13.621	91	447227	47.641	ug/l	100
90) Hexachloroethane	13.883	117	95176	45.677	ug/l	98
91) 1,2-Dichlorobenzene	13.664	146	212743	47.806	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14541	47.180	ug/l	98
93) 1,2,4-Trichlorobenzene	14.926	180	127990	47.123	ug/l	99
94) Hexachlorobutadiene	15.029	225	76423	44.693	ug/l	100
95) Naphthalene	15.145	128	219783	48.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	108446	47.257	ug/l	100

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

