

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021796.D
 Acq On : 07 Apr 2025 14:07
 Operator : SY/MD
 Sample : VY0407SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0407SBS01

Quant Time: Apr 08 03:31:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
 Supervised By :Semsettin Yesilyurt 04/08/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	202553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	287816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	149046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112714	51.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.720%	
35) Dibromofluoromethane	7.634	113	105448	51.133	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.260%	
50) Toluene-d8	10.109	98	402207	51.267	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.540%	
62) 4-Bromofluorobenzene	12.408	95	137431	51.789	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.580%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	36481	17.377	ug/l	98
3) Chloromethane	2.068	50	59151	20.037	ug/l	99
4) Vinyl Chloride	2.202	62	61511	18.425	ug/l	99
5) Bromomethane	2.592	94	48941	21.494	ug/l	98
6) Chloroethane	2.732	64	43322	19.831	ug/l	94
7) Trichlorofluoromethane	3.049	101	81090	18.961	ug/l	96
8) Diethyl Ether	3.458	74	21199	18.227	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	42352	18.776	ug/l	99
10) Methyl Iodide	4.007	142	44371	17.931	ug/l	99
11) Tert butyl alcohol	4.891	59	12162	85.320	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	38767	18.247	ug/l	94
13) Acrolein	3.653	56	12797	49.166	ug/l	98
14) Allyl chloride	4.385	41	61765	18.233	ug/l	98
15) Acrylonitrile	5.061	53	47002	96.790	ug/l	100
16) Acetone	3.879	43	33135	73.773	ug/l	97
17) Carbon Disulfide	4.104	76	123232	17.610	ug/l	99
18) Methyl Acetate	4.391	43	23144	20.791	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	97072	18.352	ug/l	96
20) Methylene Chloride	4.616	84	47543	19.254	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	43713	18.687	ug/l	93
22) Diisopropyl ether	6.018	45	137320	19.324	ug/l	96
23) Vinyl Acetate	5.964	43	378088	90.951	ug/l	98
24) 1,1-Dichloroethane	5.915	63	81273	19.127	ug/l	99
25) 2-Butanone	6.896	43	54867	85.526	ug/l	97
26) 2,2-Dichloropropane	6.890	77	67416	17.837	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	49651	18.874	ug/l	98
28) Bromochloromethane	7.250	49	35606	19.870	ug/l	97
29) Tetrahydrofuran	7.268	42	37752	91.436	ug/l	99
30) Chloroform	7.421	83	85674	19.386	ug/l	97
31) Cyclohexane	7.701	56	67135	17.333	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	74644	18.687	ug/l	98
36) 1,1-Dichloropropene	7.835	75	58414	18.597	ug/l	98
37) Ethyl Acetate	6.988	43	27713	18.694	ug/l	99
38) Carbon Tetrachloride	7.817	117	68118	18.934	ug/l	97
39) Methylcyclohexane	9.109	83	67315	17.939	ug/l	97
40) Benzene	8.085	78	181213	19.264	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	14170	17.999	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	51227	19.317	ug/l	98
43) Isopropyl Acetate	8.195	43	51199	18.225	ug/l	97
44) Trichloroethene	8.865	130	48310	20.156	ug/l	92
45) 1,2-Dichloropropane	9.140	63	43310	19.451	ug/l	99
46) Dibromomethane	9.237	93	25621	19.965	ug/l	96
47) Bromodichloromethane	9.426	83	65208	19.610	ug/l	95
48) Methyl methacrylate	9.225	41	23219	18.008	ug/l	98
49) 1,4-Dioxane	9.243	88	4830	351.345	ug/l #	92
51) 4-Methyl-2-Pentanone	9.999	43	139834	95.649	ug/l	99
52) Toluene	10.170	92	114460	19.502	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	57318	19.407	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	67327	19.323	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	33605	20.349	ug/l	98
56) Ethyl methacrylate	10.438	69	39586	18.773	ug/l	98
57) 1,3-Dichloropropane	10.719	76	55754	19.548	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	101813	98.974	ug/l	98
59) 2-Hexanone	10.761	43	90772	93.230	ug/l	98
60) Dibromochloromethane	10.914	129	44536	19.752	ug/l	99
61) 1,2-Dibromoethane	11.018	107	30864	19.923	ug/l	99
64) Tetrachloroethene	10.646	164	55443	21.151	ug/l	96
65) Chlorobenzene	11.444	112	125282	18.989	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	44369	18.954	ug/l	98
67) Ethyl Benzene	11.524	91	206159	18.222	ug/l	98
68) m/p-Xylenes	11.633	106	162584	37.528	ug/l	98
69) o-Xylene	11.956	106	73961	18.495	ug/l	98
70) Styrene	11.975	104	124911	18.734	ug/l	99
71) Bromoform	12.133	173	26014	19.482	ug/l #	99
73) Isopropylbenzene	12.255	105	194649	17.583	ug/l	100
74) N-amyl acetate	12.072	43	43771	16.847	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	32796	16.478	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	25435m	17.216	ug/l	
77) Bromobenzene	12.536	156	48789	18.356	ug/l	97
78) n-propylbenzene	12.596	91	239336	17.983	ug/l	99
79) 2-Chlorotoluene	12.682	91	139496	18.046	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	164031	18.130	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11742	18.313	ug/l	96
82) 4-Chlorotoluene	12.779	91	145850	18.098	ug/l	98
83) tert-Butylbenzene	12.999	119	143987	17.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	163642	18.300	ug/l	99
85) sec-Butylbenzene	13.176	105	212353	18.031	ug/l	100
86) p-Isopropyltoluene	13.291	119	176872	18.171	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	96706	18.467	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	97404	18.826	ug/l	99
89) n-Butylbenzene	13.621	91	160545	17.835	ug/l	98
90) Hexachloroethane	13.883	117	38801	18.191	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	86743	19.029	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5765	18.688	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	44738	18.097	ug/l	99
94) Hexachlorobutadiene	15.029	225	29010	18.790	ug/l	97
95) Naphthalene	15.151	128	70526	17.212	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	38125	18.085	ug/l	99

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

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