

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021665.D
 Acq On : 27 Mar 2025 14:38
 Operator : SY/MD
 Sample : VY0327SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0327SBS01

Quant Time: Mar 28 03:58:44 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 :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	225499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	359061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	318067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	161226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135992	55.661	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.320%			
35) Dibromofluoromethane	7.634	113	127437	54.714	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.420%			
50) Toluene-d8	10.109	98	494283	55.783	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.560%			
62) 4-Bromofluorobenzene	12.408	95	165918	55.358	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	46496	19.894	ug/l	94
3) Chloromethane	2.068	50	68873	20.956	ug/l	99
4) Vinyl Chloride	2.202	62	73917	19.888	ug/l	99
5) Bromomethane	2.592	94	53163	20.972	ug/l	99
6) Chloroethane	2.732	64	48046	19.755	ug/l	97
7) Trichlorofluoromethane	3.056	101	98319	20.650	ug/l	97
8) Diethyl Ether	3.452	74	26183	20.222	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	49298	19.632	ug/l	99
10) Methyl Iodide	4.007	142	48654	17.661	ug/l	98
11) Tert butyl alcohol	4.866	59	15405	97.074	ug/l	95
12) 1,1-Dichloroethene	3.793	96	46717	19.751	ug/l	95
13) Acrolein	3.647	56	28630	98.804	ug/l	100
14) Allyl chloride	4.379	41	76357	20.247	ug/l	99
15) Acrylonitrile	5.061	53	52880	97.814	ug/l	97
16) Acetone	3.866	43	52222	104.438	ug/l	97
17) Carbon Disulfide	4.104	76	157214	20.180	ug/l	98
18) Methyl Acetate	4.385	43	23292	18.795	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	116890	19.850	ug/l	98
20) Methylene Chloride	4.610	84	59297	22.074	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	52608	20.201	ug/l	95
22) Diisopropyl ether	6.025	45	162258	20.510	ug/l	98
23) Vinyl Acetate	5.957	43	464610	100.391	ug/l	98
24) 1,1-Dichloroethane	5.909	63	95366	20.160	ug/l	99
25) 2-Butanone	6.896	43	71284	99.810	ug/l	97
26) 2,2-Dichloropropane	6.884	77	84137	19.995	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	60350	20.607	ug/l	97
28) Bromochloromethane	7.244	49	41129	20.616	ug/l	99
29) Tetrahydrofuran	7.262	42	44673	97.189	ug/l	99
30) Chloroform	7.421	83	97757	19.869	ug/l	97
31) Cyclohexane	7.701	56	84159	19.517	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	89462	20.118	ug/l	100
36) 1,1-Dichloropropene	7.835	75	69993	19.729	ug/l	99
37) Ethyl Acetate	6.988	43	31556	18.847	ug/l	97
38) Carbon Tetrachloride	7.817	117	79673	19.608	ug/l	98
39) Methylcyclohexane	9.109	83	81627	19.260	ug/l	96
40) Benzene	8.079	78	213511	20.096	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	18602	20.921	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	59443	19.846	ug/l	99
43) Isopropyl Acetate	8.195	43	60904	19.195	ug/l	99
44) Trichloroethene	8.866	130	54497	20.132	ug/l	96
45) 1,2-Dichloropropane	9.146	63	50086	19.916	ug/l	96
46) Dibromomethane	9.231	93	29469	20.332	ug/l	95
47) Bromodichloromethane	9.420	83	74449	19.823	ug/l	98
48) Methyl methacrylate	9.219	41	27879	19.144	ug/l	98
49) 1,4-Dioxane	9.231	88	6147	395.902	ug/l #	85
51) 4-Methyl-2-Pentanone	9.999	43	161334	97.708	ug/l	98
52) Toluene	10.170	92	134713	20.323	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	65775	19.718	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	77477	19.687	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	36938	19.804	ug/l	96
56) Ethyl methacrylate	10.438	69	46703	19.610	ug/l	99
57) 1,3-Dichloropropane	10.719	76	64135	19.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	113883	98.020	ug/l	99
59) 2-Hexanone	10.762	43	105989	96.383	ug/l	99
60) Dibromochloromethane	10.914	129	49804	19.557	ug/l	97
61) 1,2-Dibromoethane	11.018	107	34437	19.682	ug/l	97
64) Tetrachloroethene	10.646	164	56373	19.460	ug/l	99
65) Chlorobenzene	11.444	112	145303	19.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	51197	19.791	ug/l	99
67) Ethyl Benzene	11.517	91	247158	19.768	ug/l	99
68) m/p-Xylenes	11.627	106	191308	39.959	ug/l	100
69) o-Xylene	11.956	106	88940	20.125	ug/l	99
70) Styrene	11.969	104	146559	19.890	ug/l	99
71) Bromoform	12.133	173	29348	19.889	ug/l #	98
73) Isopropylbenzene	12.255	105	231957	19.370	ug/l	100
74) N-amyl acetate	12.072	43	52702	18.753	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	40161	18.654	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	32589m	20.392	ug/l	
77) Bromobenzene	12.536	156	55705	19.375	ug/l	99
78) n-propylbenzene	12.597	91	283866	19.718	ug/l	99
79) 2-Chlorotoluene	12.682	91	164322	19.651	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	192925	19.712	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12529	18.064	ug/l	94
82) 4-Chlorotoluene	12.779	91	170770	19.589	ug/l	98
83) tert-Butylbenzene	12.999	119	167601	19.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	194718	20.130	ug/l	100
85) sec-Butylbenzene	13.176	105	250102	19.632	ug/l	99
86) p-Isopropyltoluene	13.292	119	207156	19.675	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	111179	19.627	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	109917	19.640	ug/l	98
89) n-Butylbenzene	13.621	91	189738	19.485	ug/l	100
90) Hexachloroethane	13.883	117	43757	18.964	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	96893	19.649	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6312	18.916	ug/l	95
93) 1,2,4-Trichlorobenzene	14.925	180	52410	19.599	ug/l	100
94) Hexachlorobutadiene	15.029	225	32946	19.727	ug/l	98
95) Naphthalene	15.145	128	83288	18.791	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	44118	19.347	ug/l	99

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

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