

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041125\
 Data File : VY021852.D
 Acq On : 11 Apr 2025 12:06
 Operator : SY/MD
 Sample : VY0411SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0411SBS01

Quant Time: Apr 12 02:46:09 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 04/14/2025
 Supervised By :Semsettin Yesilyurt 04/14/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	261639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	412441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	367570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	190311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148170	52.269	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.540%			
35) Dibromofluoromethane	7.634	113	142257	53.172	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.340%			
50) Toluene-d8	10.109	98	547864	53.827	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.660%			
62) 4-Bromofluorobenzene	12.408	95	190322	55.282	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	47931	17.675	ug/l	100
3) Chloromethane	2.068	50	66874	17.537	ug/l	96
4) Vinyl Chloride	2.202	62	73984	17.156	ug/l	100
5) Bromomethane	2.592	94	55650	18.921	ug/l	92
6) Chloroethane	2.733	64	50881	18.031	ug/l	97
7) Trichlorofluoromethane	3.056	101	102701	18.591	ug/l	99
8) Diethyl Ether	3.458	74	29060	19.344	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	56995	19.562	ug/l	99
10) Methyl Iodide	4.007	142	65715	20.559	ug/l	99
11) Tert butyl alcohol	4.866	59	17296	93.935	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	52342	19.073	ug/l	97
13) Acrolein	3.653	56	17310	51.486	ug/l	98
14) Allyl chloride	4.385	41	81064	18.526	ug/l	98
15) Acrylonitrile	5.061	53	60829	96.976	ug/l	100
16) Acetone	3.879	43	58163	100.252	ug/l	97
17) Carbon Disulfide	4.104	76	157086	17.379	ug/l	99
18) Methyl Acetate	4.391	43	29819	20.738	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	135524	19.835	ug/l	98
20) Methylene Chloride	4.610	84	63577	20.080	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	57161	18.917	ug/l	95
22) Diisopropyl ether	6.019	45	177421	19.329	ug/l	99
23) Vinyl Acetate	5.964	43	503378	93.744	ug/l	97
24) 1,1-Dichloroethane	5.915	63	107900	19.659	ug/l	99
25) 2-Butanone	6.896	43	78937	95.259	ug/l	100
26) 2,2-Dichloropropane	6.890	77	95824	19.627	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	67782	19.948	ug/l	97
28) Bromochloromethane	7.244	49	45578	19.691	ug/l	95
29) Tetrahydrofuran	7.262	42	49850	93.472	ug/l	97
30) Chloroform	7.421	83	112631	19.730	ug/l	96
31) Cyclohexane	7.701	56	89585	17.905	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	100880	19.552	ug/l	99
36) 1,1-Dichloropropene	7.835	75	77267	18.961	ug/l	98
37) Ethyl Acetate	6.988	43	36325	18.888	ug/l	100
38) Carbon Tetrachloride	7.817	117	91970	19.705	ug/l	99
39) Methylcyclohexane	9.109	83	91679	18.832	ug/l	98
40) Benzene	8.079	78	240011	19.667	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	19246m	18.843	ug/l	
42) 1,2-Dichloroethane	8.158	62	68214	19.827	ug/l	99
43) Isopropyl Acetate	8.201	43	69884	19.174	ug/l #	85
44) Trichloroethene	8.866	130	61686	19.838	ug/l	94
45) 1,2-Dichloropropane	9.140	63	56361	19.511	ug/l	98
46) Dibromomethane	9.231	93	31831	19.119	ug/l	97
47) Bromodichloromethane	9.426	83	86291	20.003	ug/l	97
48) Methyl methacrylate	9.219	41	31606	18.895	ug/l	98
49) 1,4-Dioxane	9.237	88	7141	400.396	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	184332	97.188	ug/l	100
52) Toluene	10.170	92	152947	20.087	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	74193	19.363	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	89915	19.891	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	43135	20.133	ug/l	96
56) Ethyl methacrylate	10.438	69	53948	19.720	ug/l	97
57) 1,3-Dichloropropane	10.719	76	75191	20.321	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	136203	102.058	ug/l	98
59) 2-Hexanone	10.762	43	122817	97.231	ug/l	100
60) Dibromochloromethane	10.914	129	59311	20.276	ug/l	99
61) 1,2-Dibromoethane	11.018	107	41010	20.405	ug/l	99
64) Tetrachloroethene	10.646	164	73872	22.066	ug/l	98
65) Chlorobenzene	11.444	112	166748	19.790	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	59523	19.911	ug/l	98
67) Ethyl Benzene	11.518	91	281537	19.485	ug/l	100
68) m/p-Xylenes	11.627	106	218365	39.468	ug/l	99
69) o-Xylene	11.957	106	102058	19.983	ug/l	99
70) Styrene	11.969	104	168475	19.785	ug/l	99
71) Bromoform	12.133	173	34728	20.365	ug/l #	99
73) Isopropylbenzene	12.255	105	267864	18.950	ug/l	99
74) N-amyl acetate	12.072	43	60183	18.142	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	45580	17.935	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	38417m	20.364	ug/l	
77) Bromobenzene	12.536	156	65230	19.220	ug/l	99
78) n-propylbenzene	12.597	91	326537	19.215	ug/l	100
79) 2-Chlorotoluene	12.682	91	186879	18.933	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	224041	19.393	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	14546	17.767	ug/l	99
82) 4-Chlorotoluene	12.780	91	195026	18.953	ug/l	98
83) tert-Butylbenzene	12.999	119	193537	18.809	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	225265	19.729	ug/l	99
85) sec-Butylbenzene	13.176	105	288462	19.183	ug/l	99
86) p-Isopropyltoluene	13.292	119	240050	19.314	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	129499	19.367	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	128644	19.473	ug/l	96
89) n-Butylbenzene	13.621	91	215648	18.762	ug/l	100
90) Hexachloroethane	13.883	117	51012	18.730	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	117128	20.123	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8235	20.907	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	66752	21.147	ug/l	99
94) Hexachlorobutadiene	15.023	225	41048	20.822	ug/l	99
95) Naphthalene	15.145	128	108783	20.792	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	57607	21.402	ug/l	99

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

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