

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021348.D
 Acq On : 27 Feb 2025 11:18
 Operator : SY/MD
 Sample : VY0227SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0227SBS01

Quant Time: Feb 28 00:40:12 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	199987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	311959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	272418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116027	51.143	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.280%			
35) Dibromofluoromethane	7.628	113	106867	52.252	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.500%			
50) Toluene-d8	10.103	98	413664	52.334	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.660%			
62) 4-Bromofluorobenzene	12.408	95	139307	52.368	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	37086	19.559	ug/l	97
3) Chloromethane	2.068	50	45372	18.528	ug/l	98
4) Vinyl Chloride	2.202	62	46452	19.327	ug/l	97
5) Bromomethane	2.586	94	30476	19.081	ug/l	99
6) Chloroethane	2.733	64	29673	19.908	ug/l	98
7) Trichlorofluoromethane	3.056	101	73497	20.248	ug/l	99
8) Diethyl Ether	3.452	74	20917	19.199	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	42936	20.431	ug/l	99
10) Methyl Iodide	4.001	142	41447	18.746	ug/l	100
11) Tert butyl alcohol	4.860	59	15512	88.893	ug/l	97
12) 1,1-Dichloroethene	3.787	96	39988	19.872	ug/l	94
13) Acrolein	3.647	56	22410	167.586	ug/l	95
14) Allyl chloride	4.379	41	67291	18.861	ug/l	99
15) Acrylonitrile	5.055	53	44168	91.694	ug/l	98
16) Acetone	3.866	43	46430	106.690	ug/l	99
17) Carbon Disulfide	4.104	76	123567	18.493	ug/l	100
18) Methyl Acetate	4.385	43	19413	18.253	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	101763	19.141	ug/l	99
20) Methylene Chloride	4.616	84	46825	19.898	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	43373	19.580	ug/l	97
22) Diisopropyl ether	6.019	45	143470	19.433	ug/l	98
23) Vinyl Acetate	5.958	43	413611	93.754	ug/l	99
24) 1,1-Dichloroethane	5.909	63	81302	19.539	ug/l	98
25) 2-Butanone	6.890	43	63968	97.394	ug/l	99
26) 2,2-Dichloropropane	6.878	77	75215	19.921	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	49301	19.490	ug/l	99
28) Bromochloromethane	7.244	49	34908	18.960	ug/l	99
29) Tetrahydrofuran	7.262	42	39410	91.797	ug/l	99
30) Chloroform	7.421	83	84823	20.118	ug/l	98
31) Cyclohexane	7.701	56	74866	18.717	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	76848	20.024	ug/l	98
36) 1,1-Dichloropropene	7.835	75	60971	19.846	ug/l	99
37) Ethyl Acetate	6.988	43	28033	18.344	ug/l	97
38) Carbon Tetrachloride	7.817	117	68822	19.927	ug/l	98
39) Methylcyclohexane	9.109	83	74844	19.261	ug/l	97
40) Benzene	8.079	78	180639	19.891	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	17060m	19.967	ug/l	
42) 1,2-Dichloroethane	8.158	62	52273	20.288	ug/l	99
43) Isopropyl Acetate	8.195	43	54717	18.499	ug/l	99
44) Trichloroethene	8.866	130	45500	20.012	ug/l	97
45) 1,2-Dichloropropane	9.140	63	43265	19.796	ug/l	96
46) Dibromomethane	9.231	93	23940	20.039	ug/l	100
47) Bromodichloromethane	9.420	83	64230	20.164	ug/l	97
48) Methyl methacrylate	9.219	41	24954	18.041	ug/l	97
49) 1,4-Dioxane	9.225	88	4987	375.432	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	139296	91.997	ug/l	99
52) Toluene	10.170	92	114108	20.226	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	56809	19.466	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	66736	19.370	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	31323	20.127	ug/l	98
56) Ethyl methacrylate	10.438	69	41028	19.079	ug/l	97
57) 1,3-Dichloropropane	10.713	76	54720	20.037	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	96301	93.300	ug/l	99
59) 2-Hexanone	10.762	43	95328	95.864	ug/l	100
60) Dibromochloromethane	10.914	129	41937	19.786	ug/l	99
61) 1,2-Dibromoethane	11.012	107	28803	19.549	ug/l	98
64) Tetrachloroethene	10.646	164	40978	19.901	ug/l	97
65) Chlorobenzene	11.438	112	121107	19.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	43712	20.415	ug/l	100
67) Ethyl Benzene	11.518	91	217521	20.082	ug/l	98
68) m/p-Xylenes	11.627	106	164558	40.391	ug/l	100
69) o-Xylene	11.956	106	75583	19.803	ug/l	99
70) Styrene	11.969	104	125803	19.811	ug/l	99
71) Bromoform	12.133	173	24353	19.881	ug/l #	99
73) Isopropylbenzene	12.255	105	206205	19.845	ug/l	99
74) N-amyl acetate	12.072	43	47320	17.916	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34737	18.942	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	25901m	18.722	ug/l	
77) Bromobenzene	12.530	156	47735	19.751	ug/l	97
78) n-propylbenzene	12.597	91	251702	19.962	ug/l	100
79) 2-Chlorotoluene	12.682	91	142369	19.674	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	170506	20.007	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11755	18.885	ug/l	99
82) 4-Chlorotoluene	12.780	91	149541	19.935	ug/l	99
83) tert-Butylbenzene	12.999	119	154147	20.024	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	170349	20.098	ug/l	100
85) sec-Butylbenzene	13.176	105	225031	20.012	ug/l	99
86) p-Isopropyltoluene	13.292	119	187791	20.000	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	95671	20.011	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	93607	19.820	ug/l	98
89) n-Butylbenzene	13.621	91	175070	19.813	ug/l	100
90) Hexachloroethane	13.883	117	38407	19.583	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	82275	19.642	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5427	18.707	ug/l	98
93) 1,2,4-Trichlorobenzene	14.925	180	46899	18.345	ug/l	99
94) Hexachlorobutadiene	15.029	225	31841	19.783	ug/l	100
95) Naphthalene	15.145	128	73424	17.339	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	40776	18.878	ug/l	97

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

