

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011525\
 Data File : VY020830.D
 Acq On : 15 Jan 2025 11:27
 Operator : SY/MD
 Sample : VY0115SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0115SBSD01

Quant Time: Jan 16 00:57:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
 Supervised By :Semsettin Yesilyurt 01/16/2025

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	216032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	319227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	266523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	134605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	93370	50.850	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.700%			
35) Dibromofluoromethane	7.646	113	98344	49.174	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.340%			
50) Toluene-d8	10.115	98	379176	54.387	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.780%			
62) 4-Bromofluorobenzene	12.414	95	126051	48.960	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 97.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	28132	17.744	ug/l	94
3) Chloromethane	2.074	50	16655	19.951	ug/l	97
4) Vinyl Chloride	2.214	62	19647	21.171	ug/l	98
5) Bromomethane	2.605	94	12625	19.101	ug/l	100
6) Chloroethane	2.745	64	11827	20.665	ug/l	99
7) Trichlorofluoromethane	3.068	101	53086	18.639	ug/l	96
8) Diethyl Ether	3.470	74	17313	19.438	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.830	101	38081	19.799	ug/l	98
10) Methyl Iodide	4.019	142	38483	18.670	ug/l	95
11) Tert butyl alcohol	4.879	59	14040	101.191	ug/l #	85
12) 1,1-Dichloroethene	3.806	96	32642	19.376	ug/l	94
13) Acrolein	3.665	56	5617	144.156	ug/l	93
14) Allyl chloride	4.403	41	48485	19.949	ug/l	94
15) Acrylonitrile	5.074	53	38642	102.081	ug/l	98
16) Acetone	3.885	43	26635	102.006	ug/l	99
17) Carbon Disulfide	4.117	76	62200	17.019	ug/l	98
18) Methyl Acetate	4.403	43	19222	21.803	ug/l	95
19) Methyl tert-butyl Ether	5.129	73	89644	18.855	ug/l	97
20) Methylene Chloride	4.629	84	34752	19.272	ug/l	99
21) trans-1,2-Dichloroethene	5.135	96	35098	18.918	ug/l	94
22) Diisopropyl ether	6.031	45	109358	21.122	ug/l	95
23) Vinyl Acetate	5.970	43	294103	103.023	ug/l	96
24) 1,1-Dichloroethane	5.927	63	67432	19.740	ug/l	99
25) 2-Butanone	6.909	43	44353	103.406	ug/l	99
26) 2,2-Dichloropropane	6.897	77	67566	19.051	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	44585	19.047	ug/l	98
28) Bromochloromethane	7.256	49	16037	17.399	ug/l	92
29) Tetrahydrofuran	7.274	42	28828	105.214	ug/l	95
30) Chloroform	7.433	83	75346	19.342	ug/l	98
31) Cyclohexane	7.707	56	51584	19.306	ug/l	94
32) 1,1,1-Trichloroethane	7.628	97	71257	18.753	ug/l	99
36) 1,1-Dichloropropene	7.841	75	49515	19.411	ug/l	99
37) Ethyl Acetate	7.000	43	20878	20.567	ug/l	99
38) Carbon Tetrachloride	7.829	117	65228	18.370	ug/l	99
39) Methylcyclohexane	9.116	83	59955	19.153	ug/l	95
40) Benzene	8.091	78	153377	19.591	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	13119	22.566	ug/l	92
42) 1,2-Dichloroethane	8.165	62	40130	18.770	ug/l	99
43) Isopropyl Acetate	8.207	43	42470	20.569	ug/l	99
44) Trichloroethene	8.872	130	41291	18.919	ug/l	95
45) 1,2-Dichloropropane	9.146	63	35724	20.128	ug/l	98
46) Dibromomethane	9.238	93	20178	19.798	ug/l	98
47) Bromodichloromethane	9.427	83	56928	19.503	ug/l	99
48) Methyl methacrylate	9.225	41	18841	20.354	ug/l	97
49) 1,4-Dioxane	9.238	88	4507	416.500	ug/l	94
51) 4-Methyl-2-Pentanone	10.006	43	109203	105.866	ug/l	99
52) Toluene	10.176	92	100817	19.446	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	50396	19.412	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	59432	19.712	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	29104	19.988	ug/l	93
56) Ethyl methacrylate	10.445	69	36582	19.894	ug/l	99
57) 1,3-Dichloropropane	10.725	76	48680	20.511	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	69426	95.170	ug/l	98
59) 2-Hexanone	10.768	43	70148	106.001	ug/l	98
60) Dibromochloromethane	10.920	129	41775	19.782	ug/l	99
61) 1,2-Dibromoethane	11.024	107	26181	20.028	ug/l	99
64) Tetrachloroethene	10.652	164	37180	18.974	ug/l	98
65) Chlorobenzene	11.451	112	115268	19.561	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	44330	19.761	ug/l	100
67) Ethyl Benzene	11.524	91	200122	19.615	ug/l	100
68) m/p-Xylenes	11.633	106	151091	38.465	ug/l	99
69) o-Xylene	11.963	106	72310	19.415	ug/l	99
70) Styrene	11.975	104	122433	19.529	ug/l	100
71) Bromoform	12.139	173	25186	19.749	ug/l #	99
73) Isopropylbenzene	12.261	105	201270	18.848	ug/l	99
74) N-amyl acetate	12.079	43	35270	20.192	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	32884	20.318	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	22831m	19.385	ug/l	
77) Bromobenzene	12.536	156	46728	18.980	ug/l	96
78) n-propylbenzene	12.603	91	236384	19.503	ug/l	99
79) 2-Chlorotoluene	12.688	91	134160	19.221	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	165709	19.148	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	10922	19.553	ug/l	99
82) 4-Chlorotoluene	12.786	91	137666	19.112	ug/l	99
83) tert-Butylbenzene	13.005	119	156457	19.330	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	160972	19.048	ug/l	100
85) sec-Butylbenzene	13.182	105	220576	19.510	ug/l	99
86) p-Isopropyltoluene	13.298	119	185347	19.218	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	92197	19.273	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	91120	19.350	ug/l	99
89) n-Butylbenzene	13.627	91	164425	19.651	ug/l	99
90) Hexachloroethane	13.889	117	36634	18.917	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	82274	19.670	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5029	19.217	ug/l	96
93) 1,2,4-Trichlorobenzene	14.932	180	47374	19.681	ug/l	99
94) Hexachlorobutadiene	15.029	225	33697	19.857	ug/l	99
95) Naphthalene	15.151	128	77851	19.651	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	41461	20.559	ug/l	96

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

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