

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012325\
 Data File : VY020909.D
 Acq On : 23 Jan 2025 11:15
 Operator : SY/MD
 Sample : VY0123SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0123SBS02

Quant Time: Jan 24 00:16:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/24/2025
 Supervised By :Mahesh Dadoda 01/24/2025

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	217160	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.634	114	318394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.432	117	265954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	134302	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.085	65	93782	50.809	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.620%
35) Dibromofluoromethane	7.652	113	99899	50.082	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.160%
50) Toluene-d8	10.121	98	367837	52.899	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.800%
62) 4-Bromofluorobenzene	12.420	95	126266	49.172	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	98.340%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	27067	16.984	ug/l	98
3) Chloromethane	2.080	50	16907	20.148	ug/l	97
4) Vinyl Chloride	2.214	62	20999	22.511	ug/l	96
5) Bromomethane	2.617	94	11977	18.026	ug/l	97
6) Chloroethane	2.751	64	13102	22.774	ug/l	100
7) Trichlorofluoromethane	3.080	101	55208	19.283	ug/l	98
8) Diethyl Ether	3.476	74	18095	20.210	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.842	101	39715	20.541	ug/l	98
10) Methyl Iodide	4.031	142	40763	19.673	ug/l	96
11) Tert butyl alcohol	4.921	59	20259m	145.254	ug/l	
12) 1,1-Dichloroethene	3.818	96	32630	19.268	ug/l	89
13) Acrolein	3.677	56	2920	74.550	ug/l	97
14) Allyl chloride	4.409	41	48331	19.782	ug/l	94
15) Acrylonitrile	5.092	53	42266	111.075	ug/l	98
16) Acetone	3.903	43	28269	107.702	ug/l	93
17) Carbon Disulfide	4.135	76	59770	16.269	ug/l	100
18) Methyl Acetate	4.415	43	20183	22.774	ug/l	97
19) Methyl tert-butyl Ether	5.141	73	97072	20.311	ug/l	100
20) Methylene Chloride	4.641	84	34805	19.201	ug/l	96
21) trans-1,2-Dichloroethene	5.141	96	34634	18.571	ug/l	96
22) Diisopropyl ether	6.043	45	116069	22.302	ug/l	93
23) Vinyl Acetate	5.988	43	320332	111.629	ug/l	98
24) 1,1-Dichloroethane	5.939	63	68699	20.007	ug/l	98
25) 2-Butanone	6.927	43	51671	119.842	ug/l	97
26) 2,2-Dichloropropane	6.909	77	70585	19.799	ug/l	100
27) cis-1,2-Dichloroethene	6.915	96	45081	19.159	ug/l	95
28) Bromochloromethane	7.268	49	16717	18.042	ug/l	94
29) Tetrahydrofuran	7.287	42	32801	119.093	ug/l	95
30) Chloroform	7.445	83	77260	19.730	ug/l	98
31) Cyclohexane	7.719	56	53013	19.738	ug/l	98
32) 1,1,1-Trichloroethane	7.640	97	72470	18.973	ug/l	99
36) 1,1-Dichloropropene	7.854	75	50133	19.704	ug/l	99
37) Ethyl Acetate	7.012	43	24414	24.113	ug/l	99
38) Carbon Tetrachloride	7.841	117	65745	18.564	ug/l	98
39) Methylcyclohexane	9.128	83	59723	19.129	ug/l	99
40) Benzene	8.097	78	154509	19.787	ug/l	100

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41) Methacrylonitrile	7.244	41	13555	23.377	ug/l	98
42) 1,2-Dichloroethane	8.177	62	41874	19.637	ug/l	99
43) Isopropyl Acetate	8.219	43	47216	22.928	ug/l #	89
44) Trichloroethene	8.884	130	43532	19.998	ug/l	99
45) 1,2-Dichloropropane	9.158	63	38252	21.608	ug/l	98
46) Dibromomethane	9.250	93	21487	21.138	ug/l	97
47) Bromodichloromethane	9.439	83	58508	20.097	ug/l	99
48) Methyl methacrylate	9.237	41	20081	21.751	ug/l	96
49) 1,4-Dioxane	9.256	88	4288	397.299	ug/l #	74
51) 4-Methyl-2-Pentanone	10.012	43	126869	123.314	ug/l	98
52) Toluene	10.188	92	104164	20.144	ug/l	98
53) t-1,3-Dichloropropene	10.408	75	53933	20.829	ug/l	98
54) cis-1,3-Dichloropropene	9.871	75	61246	20.367	ug/l	95
55) 1,1,2-Trichloroethane	10.591	97	31604	21.762	ug/l	100
56) Ethyl methacrylate	10.457	69	39717	21.655	ug/l	98
57) 1,3-Dichloropropane	10.731	76	51565	21.783	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.725	63	74027	101.742	ug/l	96
59) 2-Hexanone	10.774	43	80289	121.643	ug/l	96
60) Dibromochloromethane	10.926	129	43762	20.777	ug/l	100
61) 1,2-Dibromoethane	11.030	107	28444	21.816	ug/l	100
64) Tetrachloroethene	10.664	164	37931	19.399	ug/l	97
65) Chlorobenzene	11.457	112	115901	19.710	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.530	131	43640	19.495	ug/l	96
67) Ethyl Benzene	11.536	91	198979	19.545	ug/l	99
68) m/p-Xylenes	11.646	106	152226	38.836	ug/l	97
69) o-Xylene	11.969	106	72166	19.418	ug/l	96
70) Styrene	11.987	104	123551	19.749	ug/l	99
71) Bromoform	12.145	173	27066	21.269	ug/l #	100
73) Isopropylbenzene	12.267	105	199631	18.737	ug/l	100
74) N-ethyl acetate	12.084	43	40113	23.016	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.523	83	36286	22.470	ug/l	98
76) 1,2,3-Trichloropropane	12.572	75	27349m	23.273	ug/l	
77) Bromobenzene	12.548	156	47615	19.384	ug/l	97
78) n-propylbenzene	12.609	91	236314	19.541	ug/l	99
79) 2-Chlorotoluene	12.694	91	136150	19.550	ug/l	99
80) 1,3,5-Trimethylbenzene	12.749	105	162641	18.836	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.316	75	12098	21.708	ug/l	97
82) 4-Chlorotoluene	12.792	91	138430	19.261	ug/l	99
83) tert-Butylbenzene	13.011	119	151909	18.810	ug/l	98
84) 1,2,4-Trimethylbenzene	13.060	105	160861	19.078	ug/l	98
85) sec-Butylbenzene	13.188	105	219892	19.494	ug/l	100
86) p-Isopropyltoluene	13.304	119	184276	19.150	ug/l	99
87) 1,3-Dichlorobenzene	13.304	146	93258	19.539	ug/l	100
88) 1,4-Dichlorobenzene	13.383	146	91352	19.444	ug/l	98
89) n-Butylbenzene	13.633	91	160393	19.213	ug/l	99
90) Hexachloroethane	13.895	117	36391	18.834	ug/l	99
91) 1,2-Dichlorobenzene	13.676	146	81772	19.594	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.291	75	5447	20.861	ug/l	98
93) 1,2,4-Trichlorobenzene	14.938	180	46889	19.523	ug/l	98
94) Hexachlorobutadiene	15.041	225	31868	18.822	ug/l	99
95) Naphthalene	15.163	128	77846	19.694	ug/l	99
96) 1,2,3-Trichlorobenzene	15.346	180	39406	19.584	ug/l	100

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