

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012325\
 Data File : VY020910.D
 Acq On : 23 Jan 2025 12:17
 Operator : SY/MD
 Sample : VY0123SBSD02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0123SBSD02

Quant Time: Jan 24 00:17:15 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	7.732	168	229008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.634	114	331693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.432	117	274062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.365	152	133505	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.085	65	112132	57.607	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.220%
35) Dibromofluoromethane	7.659	113	121480	58.459	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.920%
50) Toluene-d8	10.128	98	475568	65.650	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	131.300%
62) 4-Bromofluorobenzene	12.426	95	149823	56.007	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	112.020%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.879	85	33164	19.733	ug/l	99
3) Chloromethane	2.086	50	22431	25.348	ug/l	93
4) Vinyl Chloride	2.221	62	27260	27.711	ug/l	97
5) Bromomethane	2.623	94	17065	24.355	ug/l	97
6) Chloroethane	2.757	64	16376	26.992	ug/l	98
7) Trichlorofluoromethane	3.086	101	69236	22.931	ug/l	96
8) Diethyl Ether	3.476	74	21059	22.304	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.848	101	48587	23.830	ug/l	99
10) Methyl Iodide	4.037	142	61117	27.971	ug/l	94
11) Tert butyl alcohol	4.909	59	19321	131.362	ug/l #	73
12) 1,1-Dichloroethene	3.818	96	39622	22.186	ug/l	95
13) Acrolein	3.690	56	2487	60.211	ug/l	94
14) Allyl chloride	4.415	41	59148	22.957	ug/l	94
15) Acrylonitrile	5.092	53	45569	113.560	ug/l	98
16) Acetone	3.903	43	33200	119.944	ug/l	100
17) Carbon Disulfide	4.141	76	75773	19.558	ug/l	99
18) Methyl Acetate	4.415	43	21182	22.664	ug/l	98
19) Methyl tert-butyl Ether	5.153	73	108960	21.619	ug/l	98
20) Methylene Chloride	4.647	84	42658	22.316	ug/l	98
21) trans-1,2-Dichloroethene	5.153	96	42771	21.748	ug/l	95
22) Diisopropyl ether	6.049	45	139103	25.345	ug/l	97
23) Vinyl Acetate	5.994	43	352001	116.318	ug/l	99
24) 1,1-Dichloroethane	5.952	63	84965	23.464	ug/l	99
25) 2-Butanone	6.927	43	53717	118.142	ug/l	100
26) 2,2-Dichloropropane	6.915	77	85195	22.660	ug/l	99
27) cis-1,2-Dichloroethene	6.921	96	55455	22.349	ug/l	97
28) Bromochloromethane	7.274	49	18873	19.315	ug/l	90
29) Tetrahydrofuran	7.287	42	33282	114.587	ug/l	95
30) Chloroform	7.451	83	92381	22.371	ug/l	100
31) Cyclohexane	7.726	56	66002	23.303	ug/l	98
32) 1,1,1-Trichloroethane	7.646	97	87588	21.745	ug/l	98
36) 1,1-Dichloropropene	7.860	75	62214	23.472	ug/l	99
37) Ethyl Acetate	7.012	43	24335	23.071	ug/l	98
38) Carbon Tetrachloride	7.848	117	80153	21.724	ug/l	96
39) Methylcyclohexane	9.128	83	73551	22.614	ug/l	95
40) Benzene	8.104	78	188025	23.114	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.250	41	15458	25.590	ug/l	92
42) 1,2-Dichloroethane	8.183	62	48261	21.724	ug/l	100
43) Isopropyl Acetate	8.219	43	50205	23.402	ug/l	97
44) Trichloroethene	8.884	130	52160	23.001	ug/l	96
45) 1,2-Dichloropropane	9.164	63	46180	25.041	ug/l	99
46) Dibromomethane	9.256	93	24004	22.667	ug/l	97
47) Bromodichloromethane	9.445	83	70137	23.125	ug/l	98
48) Methyl methacrylate	9.244	41	21573	22.430	ug/l	98
49) 1,4-Dioxane	9.256	88	4250	377.989	ug/l	90
51) 4-Methyl-2-Pentanone	10.018	43	127389	118.855	ug/l	98
52) Toluene	10.189	92	122944	22.823	ug/l	98
53) t-1,3-Dichloropropene	10.414	75	60141	22.295	ug/l	100
54) cis-1,3-Dichloropropene	9.878	75	71532	22.833	ug/l	96
55) 1,1,2-Trichloroethane	10.591	97	34620	22.883	ug/l	96
56) Ethyl methacrylate	10.457	69	43039	22.526	ug/l	98
57) 1,3-Dichloropropane	10.731	76	57857	23.461	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.731	63	69934	92.263	ug/l	96
59) 2-Hexanone	10.780	43	80525	117.109	ug/l	96
60) Dibromochloromethane	10.932	129	49664	22.634	ug/l	98
61) 1,2-Dibromoethane	11.030	107	31787	23.403	ug/l	99
64) Tetrachloroethene	10.664	164	46135	22.896	ug/l	95
65) Chlorobenzene	11.463	112	140898	23.253	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.536	131	52311	22.677	ug/l	98
67) Ethyl Benzene	11.536	91	243135	23.176	ug/l	98
68) m/p-Xylenes	11.646	106	184314	45.632	ug/l	99
69) o-Xylene	11.975	106	86288	22.531	ug/l	99
70) Styrene	11.987	104	147461	22.874	ug/l	98
71) Bromoform	12.152	173	29513	22.506	ug/l #	99
73) Isopropylbenzene	12.274	105	243813	23.020	ug/l	100
74) N-amyl acetate	12.091	43	41876	24.172	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.524	83	38682	24.097	ug/l	100
76) 1,2,3-Trichloropropane	12.578	75	27442m	23.492	ug/l	
77) Bromobenzene	12.548	156	56239	23.031	ug/l	99
78) n-propylbenzene	12.615	91	291006	24.207	ug/l	98
79) 2-Chlorotoluene	12.700	91	162242	23.436	ug/l	100
80) 1,3,5-Trimethylbenzene	12.755	105	199652	23.261	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.322	75	12521	22.601	ug/l	96
82) 4-Chlorotoluene	12.798	91	165530	23.170	ug/l	99
83) tert-Butylbenzene	13.017	119	189935	23.659	ug/l	95
84) 1,2,4-Trimethylbenzene	13.060	105	196116	23.398	ug/l	100
85) sec-Butylbenzene	13.194	105	268311	23.928	ug/l	100
86) p-Isopropyltoluene	13.310	119	224835	23.504	ug/l	99
87) 1,3-Dichlorobenzene	13.304	146	109162	23.007	ug/l	99
88) 1,4-Dichlorobenzene	13.383	146	107638	23.047	ug/l	99
89) n-Butylbenzene	13.633	91	197724	23.826	ug/l	99
90) Hexachloroethane	13.901	117	44628	23.234	ug/l	99
91) 1,2-Dichlorobenzene	13.676	146	94808	22.854	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.292	75	5338	20.566	ug/l	98
93) 1,2,4-Trichlorobenzene	14.938	180	51085	21.397	ug/l	100
94) Hexachlorobutadiene	15.041	225	39371	23.392	ug/l	99
95) Naphthalene	15.163	128	80264	20.427	ug/l	99
96) 1,2,3-Trichlorobenzene	15.352	180	41838	20.917	ug/l	99

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

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