

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020959.D
 Acq On : 29 Jan 2025 10:15
 Operator : SY/MD
 Sample : VY0129SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0129SBS01

Quant Time: Jan 30 00:32:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/30/2025
 Supervised By : Mahesh Dadoda 01/30/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	265317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	387719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	333022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	166093	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	104717	49.503	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.000%
35) Dibromofluoromethane	7.640	113	107805	48.434	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.860%
50) Toluene-d8	10.115	98	416725	48.268	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.540%
62) 4-Bromofluorobenzene	12.414	95	140062	48.746	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	97.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	43677	21.765	ug/l	100
3) Chloromethane	2.080	50	34168	22.893	ug/l	99
4) Vinyl Chloride	2.214	62	35418	21.773	ug/l	100
5) Bromomethane	2.605	94	23713	21.523	ug/l	97
6) Chloroethane	2.745	64	20838	21.835	ug/l	95
7) Trichlorofluoromethane	3.068	101	74479	21.549	ug/l	99
8) Diethyl Ether	3.464	74	22327	21.019	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	49244	21.594	ug/l	98
10) Methyl Iodide	4.019	142	51945	19.113	ug/l	100
11) Tert butyl alcohol	4.866	59	18746	114.794	ug/l #	93
12) 1,1-Dichloroethene	3.806	96	45929	21.326	ug/l	92
13) Acrolein	3.665	56	24550	110.895	ug/l	95
14) Allyl chloride	4.397	41	63894	21.256	ug/l	99
15) Acrylonitrile	5.068	53	46560	111.508	ug/l	99
16) Acetone	3.879	43	32588	113.702	ug/l	97
17) Carbon Disulfide	4.117	76	141133	21.220	ug/l	99
18) Methyl Acetate	4.397	43	22577	21.806	ug/l	98
19) Methyl tert-butyl Ether	5.129	73	106206	21.291	ug/l	100
20) Methylene Chloride	4.629	84	45219	21.214	ug/l	97
21) trans-1,2-Dichloroethene	5.129	96	49069	21.132	ug/l	99
22) Diisopropyl ether	6.031	45	132492	21.913	ug/l	96
23) Vinyl Acetate	5.970	43	369765	110.500	ug/l	99
24) 1,1-Dichloroethane	5.927	63	82865	21.620	ug/l	97
25) 2-Butanone	6.909	43	54600	112.462	ug/l	98
26) 2,2-Dichloropropane	6.903	77	79495	21.057	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	55288	21.098	ug/l	99
28) Bromochloromethane	7.256	49	33793	21.907	ug/l	97
29) Tetrahydrofuran	7.274	42	37053	114.515	ug/l	98
30) Chloroform	7.433	83	87458	21.560	ug/l	96
31) Cyclohexane	7.707	56	78437	20.822	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	83954	21.337	ug/l	99
36) 1,1-Dichloropropene	7.841	75	65356	21.031	ug/l	99
37) Ethyl Acetate	7.000	43	25514	21.161	ug/l	99
38) Carbon Tetrachloride	7.823	117	79994	21.345	ug/l	99
39) Methylcyclohexane	9.116	83	86162	20.480	ug/l	98
40) Benzene	8.091	78	196766	21.582	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	13351	20.961	ug/l #	90
42) 1,2-Dichloroethane	8.165	62	50207	22.132	ug/l	97
43) Isopropyl Acetate	8.207	43	50693	22.172	ug/l	99
44) Trichloroethene	8.872	130	52452	21.177	ug/l	100
45) 1,2-Dichloropropane	9.146	63	44151	21.938	ug/l	94
46) Dibromomethane	9.238	93	25063	21.906	ug/l	99
47) Bromodichloromethane	9.427	83	64448	21.171	ug/l	96
48) Methyl methacrylate	9.225	41	23506	21.794	ug/l	100
49) 1,4-Dioxane	9.238	88	5750	488.111	ug/l	94
51) 4-Methyl-2-Pentanone	10.006	43	128572	111.526	ug/l	99
52) Toluene	10.176	92	125862	21.465	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	60382	21.633	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	70840	21.255	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	34550	22.340	ug/l	98
56) Ethyl methacrylate	10.445	69	42741	21.088	ug/l	98
57) 1,3-Dichloropropane	10.725	76	56669	21.570	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	94493	102.721	ug/l	100
59) 2-Hexanone	10.768	43	82850	111.761	ug/l	97
60) Dibromochloromethane	10.920	129	47532	21.838	ug/l	98
61) 1,2-Dibromoethane	11.024	107	31944	21.596	ug/l	98
64) Tetrachloroethene	10.652	164	48579	20.961	ug/l	97
65) Chlorobenzene	11.451	112	136188	20.912	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	48291	20.868	ug/l	100
67) Ethyl Benzene	11.524	91	236165	20.783	ug/l	99
68) m/p-Xylenes	11.633	106	184504	42.403	ug/l	100
69) o-Xylene	11.963	106	85611	21.063	ug/l	99
70) Styrene	11.975	104	143357	21.522	ug/l	100
71) Bromoform	12.139	173	28443	21.706	ug/l #	100
73) Isopropylbenzene	12.261	105	229911	20.099	ug/l	100
74) N-amyl acetate	12.078	43	41194	20.237	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	37082	20.835	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	22839m	19.448	ug/l	
77) Bromobenzene	12.542	156	54571	20.351	ug/l	99
78) n-propylbenzene	12.603	91	270814	20.324	ug/l	100
79) 2-Chlorotoluene	12.688	91	152236	20.144	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	187301	20.377	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	12483	20.537	ug/l	98
82) 4-Chlorotoluene	12.786	91	159674	20.691	ug/l	100
83) tert-Butylbenzene	13.005	119	165862	19.564	ug/l	97
84) 1,2,4-Trimethylbenzene	13.054	105	185407	20.490	ug/l	100
85) sec-Butylbenzene	13.182	105	243845	20.173	ug/l	100
86) p-Isopropyltoluene	13.298	119	205617	20.135	ug/l	100
87) 1,3-Dichlorobenzene	13.298	146	105632	20.572	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	103693	20.558	ug/l	98
89) n-Butylbenzene	13.627	91	181149	20.110	ug/l	100
90) Hexachloroethane	13.889	117	40522	19.975	ug/l	100
91) 1,2-Dichlorobenzene	13.670	146	92630	20.822	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5442	20.354	ug/l	98
93) 1,2,4-Trichlorobenzene	14.932	180	51096	19.093	ug/l	98
94) Hexachlorobutadiene	15.035	225	35103	19.172	ug/l	99
95) Naphthalene	15.157	128	83166	19.379	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	43772	19.468	ug/l	99

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

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