

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012925\
 Data File : VY020960.D
 Acq On : 29 Jan 2025 10:38
 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 00:33:03 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	244423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	364186	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	311959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	159108	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	102021	52.351	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.700%
35) Dibromofluoromethane	7.640	113	106338	50.862	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.720%
50) Toluene-d8	10.109	98	408785	50.408	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.820%
62) 4-Bromofluorobenzene	12.408	95	137324	50.881	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	101.760%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	41659	22.534	ug/l	99
3) Chloromethane	2.074	50	30792	22.394	ug/l	99
4) Vinyl Chloride	2.208	62	33021	22.035	ug/l	97
5) Bromomethane	2.598	94	21846	21.523	ug/l	97
6) Chloroethane	2.739	64	19854	22.582	ug/l	94
7) Trichlorofluoromethane	3.062	101	69560	21.847	ug/l	99
8) Diethyl Ether	3.458	74	22693	23.190	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	46194	21.988	ug/l	98
10) Methyl Iodide	4.013	142	52351	20.909	ug/l	99
11) Tert butyl alcohol	4.866	59	19694	130.909	ug/l	97
12) 1,1-Dichloroethene	3.793	96	44119	22.237	ug/l	97
13) Acrolein	3.659	56	25362	124.357	ug/l	98
14) Allyl chloride	4.391	41	62811	22.682	ug/l	98
15) Acrylonitrile	5.068	53	46244	120.219	ug/l	99
16) Acetone	3.879	43	32925	124.697	ug/l	97
17) Carbon Disulfide	4.110	76	135766	22.158	ug/l	100
18) Methyl Acetate	4.391	43	22717	23.817	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	107854	23.470	ug/l	98
20) Methylene Chloride	4.622	84	44834	22.831	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	46851	21.902	ug/l	95
22) Diisopropyl ether	6.025	45	131942	23.687	ug/l	95
23) Vinyl Acetate	5.964	43	369827	119.966	ug/l	100
24) 1,1-Dichloroethane	5.921	63	80398	22.770	ug/l	99
25) 2-Butanone	6.896	43	56017	125.243	ug/l	93
26) 2,2-Dichloropropane	6.890	77	77596	22.311	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	55533	23.003	ug/l	98
28) Bromochloromethane	7.250	49	31761	22.350	ug/l	97
29) Tetrahydrofuran	7.268	42	37553	125.981	ug/l	99
30) Chloroform	7.421	83	86024	23.019	ug/l	100
31) Cyclohexane	7.707	56	73387	21.147	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	80844	22.303	ug/l	99
36) 1,1-Dichloropropene	7.841	75	63711	21.826	ug/l	100
37) Ethyl Acetate	6.988	43	26935	23.783	ug/l	99
38) Carbon Tetrachloride	7.817	117	77494	22.014	ug/l	98
39) Methylcyclohexane	9.109	83	84178	21.301	ug/l	99
40) Benzene	8.085	78	191337	22.343	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	13633	22.787	ug/l	96
42) 1,2-Dichloroethane	8.158	62	50011	23.470	ug/l	98
43) Isopropyl Acetate	8.201	43	52171	24.293	ug/l	99
44) Trichloroethene	8.866	130	51541	22.154	ug/l	100
45) 1,2-Dichloropropane	9.146	63	43291	22.901	ug/l	98
46) Dibromomethane	9.238	93	25278	23.522	ug/l	99
47) Bromodichloromethane	9.427	83	64769	22.651	ug/l	95
48) Methyl methacrylate	9.225	41	22768	22.474	ug/l	95
49) 1,4-Dioxane	9.231	88	5796	523.809	ug/l	99
51) 4-Methyl-2-Pentanone	10.000	43	135014	124.681	ug/l	100
52) Toluene	10.170	92	123290	22.385	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	60642	23.130	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	70370	22.478	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	34203	23.545	ug/l	97
56) Ethyl methacrylate	10.445	69	45142	23.712	ug/l	98
57) 1,3-Dichloropropane	10.719	76	58183	23.577	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	102267	118.356	ug/l	99
59) 2-Hexanone	10.762	43	86999	124.941	ug/l	98
60) Dibromochloromethane	10.914	129	47497	23.232	ug/l	97
61) 1,2-Dibromoethane	11.018	107	32658	23.505	ug/l	99
64) Tetrachloroethene	10.652	164	47686	21.965	ug/l	97
65) Chlorobenzene	11.444	112	134162	21.992	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	47631	21.972	ug/l	96
67) Ethyl Benzene	11.524	91	234905	22.067	ug/l	99
68) m/p-Xylenes	11.633	106	181816	44.606	ug/l	100
69) o-Xylene	11.957	106	85556	22.471	ug/l	99
70) Styrene	11.975	104	142225	22.793	ug/l	100
71) Bromoform	12.139	173	29259	23.836	ug/l #	100
73) Isopropylbenzene	12.255	105	226281	20.650	ug/l	99
74) N-ethyl acetate	12.072	43	43822	22.474	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	38431	22.541	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	20342m	18.083	ug/l	
77) Bromobenzene	12.536	156	55250	21.509	ug/l	100
78) n-propylbenzene	12.597	91	267561	20.962	ug/l	99
79) 2-Chlorotoluene	12.682	91	154159	21.294	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	189360	21.506	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	12880	22.120	ug/l	97
82) 4-Chlorotoluene	12.780	91	158352	21.420	ug/l	99
83) tert-Butylbenzene	12.999	119	176118	21.685	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	183708	21.193	ug/l	99
85) sec-Butylbenzene	13.182	105	242417	20.935	ug/l	99
86) p-Isopropyltoluene	13.298	119	207705	21.232	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	106163	21.583	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	103971	21.518	ug/l	98
89) n-Butylbenzene	13.621	91	183157	21.226	ug/l	100
90) Hexachloroethane	13.883	117	40568	20.876	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	92833	21.784	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5889	22.992	ug/l	99
93) 1,2,4-Trichlorobenzene	14.926	180	55926	21.815	ug/l	99
94) Hexachlorobutadiene	15.029	225	37109	21.157	ug/l	100
95) Naphthalene	15.151	128	89971	21.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	46491	21.585	ug/l	97

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

