

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY123124\
 Data File : VY020761.D
 Acq On : 31 Dec 2024 11:23
 Operator : SY/MD
 Sample : VY1231SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1231SBS01

Quant Time: Jan 01 00:20:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	169905	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	244861	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	209120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	104927	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	77450	55.652	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.300%
35) Dibromofluoromethane	7.634	113	76145	56.457	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.920%
50) Toluene-d8	10.109	98	295171	54.861	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.720%
62) 4-Bromofluorobenzene	12.408	95	98938	55.198	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	110.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	26322	19.682	ug/l	99
3) Chloromethane	2.074	50	12395	24.852	ug/l	96
4) Vinyl Chloride	2.208	62	13545	21.919	ug/l	98
5) Bromomethane	2.598	94	9754	20.906	ug/l	95
6) Chloroethane	2.732	64	8418	22.708	ug/l	89
7) Trichlorofluoromethane	3.062	101	41679	17.539	ug/l	90
8) Diethyl Ether	3.458	74	12781	22.602	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.818	101	28668	21.974	ug/l	100
10) Methyl Iodide	4.013	142	29028	20.347	ug/l	94
11) Tert butyl alcohol	4.854	59	15799	175.545	ug/l #	91
12) 1,1-Dichloroethene	3.793	96	25304	21.791	ug/l	99
13) Acrolein	3.665	56	4737	162.828	ug/l	99
14) Allyl chloride	4.385	41	35202	25.905	ug/l #	81
15) Acrylonitrile	5.067	53	28576	130.812	ug/l	98
16) Acetone	3.866	43	20762	117.600	ug/l	99
17) Carbon Disulfide	4.104	76	60938	21.393	ug/l	99
18) Methyl Acetate	4.385	43	13243	27.715	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	70093	21.657	ug/l	94
20) Methylene Chloride	4.616	84	27446	23.903	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	28370	22.672	ug/l	97
22) Diisopropyl ether	6.018	45	73858	26.737	ug/l	95
23) Vinyl Acetate	5.964	43	210638	127.663	ug/l	97
24) 1,1-Dichloroethane	5.921	63	48212	23.279	ug/l	97
25) 2-Butanone	6.896	43	34238	143.563	ug/l	91
26) 2,2-Dichloropropane	6.890	77	52558	20.734	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	33711	22.496	ug/l	99
28) Bromochloromethane	7.244	49	12438	22.710	ug/l	89
29) Tetrahydrofuran	7.262	42	21876	149.438	ug/l	91
30) Chloroform	7.427	83	58262	21.868	ug/l	100
31) Cyclohexane	7.707	56	40800	22.823	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	55516	19.440	ug/l	99
36) 1,1-Dichloropropene	7.835	75	38160	21.419	ug/l	96
37) Ethyl Acetate	6.988	43	15839	26.979	ug/l	95
38) Carbon Tetrachloride	7.817	117	52904	18.033	ug/l	98
39) Methylcyclohexane	9.109	83	46956	20.563	ug/l	96
40) Benzene	8.085	78	115336	22.338	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	7315	24.667	ug/l #	90
42) 1,2-Dichloroethane	8.158	62	32119	19.400	ug/l	96
43) Isopropyl Acetate	8.201	43	30707	24.608	ug/l	99
44) Trichloroethene	8.866	130	31734	20.577	ug/l	95
45) 1,2-Dichloropropane	9.140	63	25099	24.014	ug/l	99
46) Dibromomethane	9.231	93	15273	21.119	ug/l	97
47) Bromodichloromethane	9.426	83	42289	20.626	ug/l	98
48) Methyl methacrylate	9.219	41	13016	22.336	ug/l	92
49) 1,4-Dioxane	9.231	88	3576	519.125	ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	78875	130.956	ug/l	99
52) Toluene	10.170	92	76108	21.506	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	37919	21.057	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	43311	21.943	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	21806	23.622	ug/l	97
56) Ethyl methacrylate	10.438	69	27067	22.319	ug/l #	92
57) 1,3-Dichloropropane	10.719	76	34400	22.960	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	55487	131.209	ug/l	94
59) 2-Hexanone	10.762	43	51669	129.929	ug/l	98
60) Dibromochloromethane	10.914	129	30536	20.472	ug/l	100
61) 1,2-Dibromoethane	11.018	107	19019	21.896	ug/l	98
64) Tetrachloroethene	10.646	164	29106	20.372	ug/l	94
65) Chlorobenzene	11.444	112	86055	21.016	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	31684	19.972	ug/l	97
67) Ethyl Benzene	11.524	91	151718	21.200	ug/l	100
68) m/p-Xylenes	11.627	106	115924	42.463	ug/l	96
69) o-Xylene	11.956	106	54063	20.727	ug/l	99
70) Styrene	11.969	104	92453	21.115	ug/l	96
71) Bromoform	12.133	173	18692	20.495	ug/l #	98
73) Isopropylbenzene	12.255	105	151148	20.792	ug/l	99
74) N-amyl acetate	12.072	43	25479	24.664	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	23238	24.936	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	18983m	28.445	ug/l	
77) Bromobenzene	12.536	156	34361	20.533	ug/l	94
78) n-propylbenzene	12.597	91	174106	21.369	ug/l	99
79) 2-Chlorotoluene	12.682	91	99991	21.528	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	123866	20.451	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	8375	24.806	ug/l	88
82) 4-Chlorotoluene	12.779	91	102986	21.454	ug/l	99
83) tert-Butylbenzene	12.999	119	113963	20.148	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	122662	20.812	ug/l	98
85) sec-Butylbenzene	13.176	105	160942	21.113	ug/l	99
86) p-Isopropyltoluene	13.298	119	138986	20.459	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	67813	20.734	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	67731	20.818	ug/l	98
89) n-Butylbenzene	13.621	91	121265	21.384	ug/l	98
90) Hexachloroethane	13.883	117	26585	20.580	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	59716	21.294	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3620	20.028	ug/l	92
93) 1,2,4-Trichlorobenzene	14.925	180	34726	19.482	ug/l	99
94) Hexachlorobutadiene	15.029	225	25053	19.285	ug/l	99
95) Naphthalene	15.151	128	57577	20.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	28886	19.463	ug/l	99

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

