

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101024\
 Data File : VY019846.D
 Acq On : 10 Oct 2024 10:36
 Operator : SY/MD
 Sample : VY1010SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1010SBS01

Quant Time: Oct 11 01:37:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 05:30:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	363313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	629960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	538617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	260625	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	227023	50.749	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.500%	
35) Dibromofluoromethane	7.640	113	215170	51.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.520%	
50) Toluene-d8	10.109	98	790467	51.492	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	12.402	95	282510	50.931	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 101.860%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	67158	19.857	ug/l	98
3) Chloromethane	2.074	50	87639	19.909	ug/l	99
4) Vinyl Chloride	2.208	62	94793	19.569	ug/l	99
5) Bromomethane	2.598	94	59875	19.528	ug/l	99
6) Chloroethane	2.739	64	63038	19.371	ug/l	98
7) Trichlorofluoromethane	3.062	101	138889	19.269	ug/l	100
8) Diethyl Ether	3.464	74	42587	19.441	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	85230	20.329	ug/l	99
10) Methyl Iodide	4.013	142	77390	18.251	ug/l	98
11) Tert butyl alcohol	4.866	59	41115	103.133	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	74213	19.041	ug/l	94
13) Acrolein	3.659	56	38346	116.656	ug/l	99
14) Allyl chloride	4.391	41	137188	19.508	ug/l	99
15) Acrylonitrile	5.067	53	99702	99.505	ug/l	99
16) Acetone	3.873	43	116010	99.621	ug/l	99
17) Carbon Disulfide	4.110	76	188917	18.083	ug/l	98
18) Methyl Acetate	4.397	43	46595	18.574	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	218547	19.517	ug/l	100
20) Methylene Chloride	4.616	84	89632	19.072	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	81264	19.157	ug/l	97
22) Diisopropyl ether	6.025	45	304547	19.882	ug/l	98
23) Vinyl Acetate	5.964	43	724735m	82.529	ug/l	
24) 1,1-Dichloroethane	5.915	63	168973	19.844	ug/l	98
25) 2-Butanone	6.896	43	156467	100.381	ug/l	99
26) 2,2-Dichloropropane	6.890	77	150367	19.829	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	103830	19.806	ug/l	98
28) Bromochloromethane	7.250	49	75654	20.186	ug/l	99
29) Tetrahydrofuran	7.268	42	87165	97.938	ug/l	100
30) Chloroform	7.427	83	174337	20.085	ug/l	97
31) Cyclohexane	7.701	56	143229	19.162	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	150260	19.753	ug/l	100
36) 1,1-Dichloropropene	7.835	75	119414	19.939	ug/l	99
37) Ethyl Acetate	6.988	43	62852	20.126	ug/l	98
38) Carbon Tetrachloride	7.823	117	128058	19.946	ug/l	98
39) Methylcyclohexane	9.109	83	146462	19.409	ug/l	99
40) Benzene	8.085	78	358260	19.766	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	29218	17.287	ug/l #	80
42) 1,2-Dichloroethane	8.164	62	104110	19.994	ug/l	100
43) Isopropyl Acetate	8.201	43	125679	19.734	ug/l #	88
44) Trichloroethene	8.866	130	85620	19.504	ug/l	99
45) 1,2-Dichloropropane	9.146	63	89746	19.783	ug/l	99
46) Dibromomethane	9.237	93	48124	19.416	ug/l	98
47) Bromodichloromethane	9.426	83	131416	19.975	ug/l	94
48) Methyl methacrylate	9.219	41	56268	20.085	ug/l	98
49) 1,4-Dioxane	9.225	88	9932	358.022	ug/l	88
51) 4-Methyl-2-Pentanone	10.000	43	327123	100.700	ug/l	99
52) Toluene	10.170	92	224799	19.869	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	112628	19.027	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	134988	19.326	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	65799	20.149	ug/l	96
56) Ethyl methacrylate	10.438	69	91815	19.594	ug/l	99
57) 1,3-Dichloropropane	10.719	76	113355	19.766	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	204402	93.703	ug/l	98
59) 2-Hexanone	10.762	43	236588	101.970	ug/l	99
60) Dibromochloromethane	10.908	129	79887	19.060	ug/l	98
61) 1,2-Dibromoethane	11.012	107	56456	19.131	ug/l	95
64) Tetrachloroethene	10.646	164	74108	19.344	ug/l	96
65) Chlorobenzene	11.438	112	244648	19.859	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	81598	19.577	ug/l	100
67) Ethyl Benzene	11.518	91	447089	19.978	ug/l	98
68) m/p-Xylenes	11.627	106	326082	39.453	ug/l	99
69) o-Xylene	11.950	106	155111	19.533	ug/l	99
70) Styrene	11.969	104	268239	20.021	ug/l	100
71) Bromoform	12.127	173	42143	18.887	ug/l #	100
73) Isopropylbenzene	12.255	105	428335	19.539	ug/l	99
74) N-amyl acetate	12.066	43	112099	19.307	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	79193	20.330	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	51884m	19.118	ug/l	
77) Bromobenzene	12.530	156	87521	18.814	ug/l	97
78) n-propylbenzene	12.591	91	528746	19.961	ug/l	99
79) 2-Chlorotoluene	12.676	91	300264	19.773	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	349690	19.752	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	23515	18.590	ug/l	98
82) 4-Chlorotoluene	12.773	91	305309	19.662	ug/l	100
83) tert-Butylbenzene	12.993	119	309074	19.488	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	343862	19.590	ug/l	100
85) sec-Butylbenzene	13.176	105	472558	19.942	ug/l	100
86) p-Isopropyltoluene	13.292	119	383338	19.922	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	181758	19.347	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	182405	19.764	ug/l	99
89) n-Butylbenzene	13.615	91	379207	20.183	ug/l	100
90) Hexachloroethane	13.877	117	72935	19.466	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	160795	19.480	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12631	20.318	ug/l	88
93) 1,2,4-Trichlorobenzene	14.919	180	91833	19.841	ug/l	100
94) Hexachlorobutadiene	15.023	225	52796	20.517	ug/l	96
95) Naphthalene	15.139	128	171174	19.608	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	78183	19.982	ug/l	100

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

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