

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY123024\
 Data File : VY020754.D
 Acq On : 30 Dec 2024 14:42
 Operator : SY/MD
 Sample : VY1230SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1230SBS01

Quant Time: Dec 31 00:38:47 2024
 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/31/2024
 Supervised By :Semsettin Yesilyurt 12/31/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	148626	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.616	114	218771	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	186048	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	96468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	71068	58.378	ug/l	-0.01
Spiked Amount 50.000	Range 50	- 163	Recovery	=	116.760%	
35) Dibromofluoromethane	7.634	113	69279	57.492	ug/l	-0.01
Spiked Amount 50.000	Range 54	- 147	Recovery	=	114.980%	
50) Toluene-d8	10.103	98	271702	56.469	ug/l	-0.01
Spiked Amount 50.000	Range 58	- 134	Recovery	=	112.940%	
62) 4-Bromofluorobenzene	12.408	95	92714	57.895	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	115.780%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	24836	21.230	ug/l	100
3) Chloromethane	2.068	50	11392	26.111	ug/l	100
4) Vinyl Chloride	2.208	62	12068	22.325	ug/l	99
5) Bromomethane	2.592	94	9302	22.791	ug/l	96
6) Chloroethane	2.733	64	7648	23.584	ug/l	99
7) Trichlorofluoromethane	3.062	101	39254	18.883	ug/l	100
8) Diethyl Ether	3.458	74	12600	25.472	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.812	101	26791	23.476	ug/l	97
10) Methyl Iodide	4.001	142	27010	21.644	ug/l	91
11) Tert butyl alcohol	4.860	59	11282	139.168	ug/l #	82
12) 1,1-Dichloroethene	3.793	96	23969	23.597	ug/l	97
13) Acrolein	3.653	56	4073	160.048	ug/l	98
14) Allyl chloride	4.385	41	32476	27.321	ug/l #	84
15) Acrylonitrile	5.061	53	25974	135.924	ug/l	99
16) Acetone	3.866	43	18940	122.639	ug/l	92
17) Carbon Disulfide	4.110	76	56250	22.574	ug/l	100
18) Methyl Acetate	4.385	43	12818	30.666	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	66252	23.401	ug/l #	89
20) Methylene Chloride	4.616	84	24996	24.886	ug/l	91
21) trans-1,2-Dichloroethene	5.110	96	26231	23.964	ug/l	92
22) Diisopropyl ether	6.019	45	69093	28.593	ug/l	94
23) Vinyl Acetate	5.964	43	198545	137.562	ug/l	94
24) 1,1-Dichloroethane	5.909	63	46806	25.836	ug/l	99
25) 2-Butanone	6.890	43	30183	144.680	ug/l	91
26) 2,2-Dichloropropane	6.884	77	48145	21.712	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	31833	24.285	ug/l	100
28) Bromochloromethane	7.244	49	12759	26.631	ug/l	91
29) Tetrahydrofuran	7.262	42	20208	157.808	ug/l	92
30) Chloroform	7.421	83	55272	23.716	ug/l	98
31) Cyclohexane	7.701	56	37587	24.036	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	52011	20.820	ug/l	97
36) 1,1-Dichloropropene	7.835	75	35701	22.429	ug/l	98
37) Ethyl Acetate	6.988	43	14854	28.319	ug/l	99
38) Carbon Tetrachloride	7.817	117	50004	19.077	ug/l	98
39) Methylcyclohexane	9.109	83	44746	21.932	ug/l	97
40) Benzene	8.079	78	107927	23.395	ug/l	99

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41) Methacrylonitrile	7.220	41	7692	29.031	ug/l	95
42) 1,2-Dichloroethane	8.152	62	31258	21.131	ug/l	96
43) Isopropyl Acetate	8.195	43	28776	25.810	ug/l #	87
44) Trichloroethene	8.866	130	30459	22.106	ug/l	91
45) 1,2-Dichloropropane	9.140	63	23654	25.331	ug/l	92
46) Dibromomethane	9.231	93	14404	22.293	ug/l	97
47) Bromodichloromethane	9.420	83	40261	21.979	ug/l	94
48) Methyl methacrylate	9.219	41	12967	24.906	ug/l	92
49) 1,4-Dioxane	9.231	88	3521	572.098	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	73336	136.280	ug/l	100
52) Toluene	10.170	92	71773	22.700	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	37165	23.100	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	41045	23.275	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	19920	24.153	ug/l	96
56) Ethyl methacrylate	10.438	69	26415	24.379	ug/l #	93
57) 1,3-Dichloropropane	10.713	76	33724	25.193	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	48872	129.349	ug/l	95
59) 2-Hexanone	10.762	43	47771	134.453	ug/l	98
60) Dibromochloromethane	10.908	129	29682	22.272	ug/l	100
61) 1,2-Dibromoethane	11.018	107	18745	24.154	ug/l	100
64) Tetrachloroethene	10.646	164	27815	21.883	ug/l	97
65) Chlorobenzene	11.438	112	82986	22.780	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	30869	21.872	ug/l	97
67) Ethyl Benzene	11.518	91	144320	22.667	ug/l	99
68) m/p-Xylenes	11.627	106	111617	45.956	ug/l	95
69) o-Xylene	11.957	106	52384	22.574	ug/l	97
70) Styrene	11.969	104	88818	22.800	ug/l	97
71) Bromoform	12.133	173	18214	22.447	ug/l #	100
73) Isopropylbenzene	12.255	105	145978	21.842	ug/l	99
74) N-amyl acetate	12.072	43	25770	27.133	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	21893	25.552	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	16724m	27.258	ug/l	
77) Bromobenzene	12.536	156	33214	21.588	ug/l	95
78) n-propylbenzene	12.597	91	167338	22.339	ug/l	99
79) 2-Chlorotoluene	12.682	91	94217	22.063	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	120927	21.717	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	7808	25.154	ug/l	88
82) 4-Chlorotoluene	12.780	91	100300	22.727	ug/l	98
83) tert-Butylbenzene	12.999	119	112403	21.615	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	118540	21.876	ug/l	98
85) sec-Butylbenzene	13.176	105	156111	22.275	ug/l	100
86) p-Isopropyltoluene	13.292	119	136833	21.908	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	68522	22.788	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	67870	22.690	ug/l	98
89) n-Butylbenzene	13.621	91	118665	22.760	ug/l	98
90) Hexachloroethane	13.883	117	25582	21.540	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	58761	22.791	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3674	22.109	ug/l	95
93) 1,2,4-Trichlorobenzene	14.925	180	36814	22.464	ug/l	98
94) Hexachlorobutadiene	15.023	225	25677	21.499	ug/l	99
95) Naphthalene	15.151	128	59606	22.710	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	31109	22.799	ug/l	100

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

