

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
 Data File : VY020562.D
 Acq On : 10 Dec 2024 11:54
 Operator : SY/MD
 Sample : VY1210SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1210SBS01

Quant Time: Dec 11 00:46:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/11/2024
 Supervised By :Semsettin Yesilyurt 12/11/2024

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	155321	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	247103	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	209823	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	107923	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	86519	54.771	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.540%	
35) Dibromofluoromethane	7.634	113	84373	54.237	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.480%	
50) Toluene-d8	10.103	98	310958	52.495	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.980%	
62) 4-Bromofluorobenzene	12.402	95	113971	55.012	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	= 110.020%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	28046	18.511	ug/l	97
3) Chloromethane	2.068	50	28247	18.414	ug/l	98
4) Vinyl Chloride	2.202	62	29142	18.632	ug/l	98
5) Bromomethane	2.592	94	18096	19.719	ug/l	96
6) Chloroethane	2.733	64	18251	19.039	ug/l	97
7) Trichlorofluoromethane	3.056	101	58141	19.848	ug/l	100
8) Diethyl Ether	3.452	74	18994	22.885	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.812	101	35671	20.899	ug/l	96
10) Methyl Iodide	4.001	142	39073	20.392	ug/l	96
11) Tert butyl alcohol	4.860	59	18212	177.730	ug/l	96
12) 1,1-Dichloroethene	3.787	96	32441	20.120	ug/l	93
13) Acrolein	3.647	56	11146	116.178	ug/l	100
14) Allyl chloride	4.379	41	59336	20.634	ug/l	96
15) Acrylonitrile	5.049	53	44932	129.930	ug/l	99
16) Acetone	3.866	43	50205	127.821	ug/l	98
17) Carbon Disulfide	4.104	76	79124	17.146	ug/l	99
18) Methyl Acetate	4.385	43	21864	26.190	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	98765	23.986	ug/l	99
20) Methylene Chloride	4.610	84	38547	23.070	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	36223	20.227	ug/l	96
22) Diisopropyl ether	6.019	45	133555	23.356	ug/l	96
23) Vinyl Acetate	5.958	43	361825	119.627	ug/l	98
24) 1,1-Dichloroethane	5.909	63	77336	22.464	ug/l	99
25) 2-Butanone	6.890	43	66084	133.241	ug/l	98
26) 2,2-Dichloropropane	6.884	77	71109	21.838	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	46644	22.306	ug/l	97
28) Bromochloromethane	7.244	49	26890	20.916	ug/l	91
29) Tetrahydrofuran	7.256	42	36473	128.904	ug/l	97
30) Chloroform	7.421	83	80124	22.677	ug/l	97
31) Cyclohexane	7.695	56	58812	18.896	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	71911	21.137	ug/l	96
36) 1,1-Dichloropropene	7.835	75	52156	19.854	ug/l	97
37) Ethyl Acetate	6.976	43	25922	24.907	ug/l	96
38) Carbon Tetrachloride	7.811	117	64251	20.492	ug/l	99
39) Methylcyclohexane	9.103	83	61008	18.715	ug/l	99
40) Benzene	8.079	78	163562	21.117	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	16455	27.812	ug/l #	85
42) 1,2-Dichloroethane	8.152	62	46231	22.716	ug/l	99
43) Isopropyl Acetate	8.195	43	52277	24.875	ug/l	98
44) Trichloroethene	8.866	130	40861	21.400	ug/l	95
45) 1,2-Dichloropropane	9.140	63	41120	22.687	ug/l	100
46) Dibromomethane	9.231	93	21555	24.019	ug/l	97
47) Bromodichloromethane	9.420	83	60850	23.014	ug/l	100
48) Methyl methacrylate	9.219	41	23202	23.676	ug/l	94
49) 1,4-Dioxane	9.225	88	4933	575.079	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	136105	131.139	ug/l	98
52) Toluene	10.170	92	105037	21.735	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	54073	22.780	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	63848	22.760	ug/l	95
55) 1,1,2-Trichloroethane	10.566	97	29585	24.714	ug/l	98
56) Ethyl methacrylate	10.438	69	41211	24.330	ug/l	93
57) 1,3-Dichloropropane	10.713	76	51060	23.819	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	83421	105.188	ug/l	97
59) 2-Hexanone	10.755	43	95309	127.295	ug/l	95
60) Dibromochloromethane	10.908	129	39760	23.856	ug/l	99
61) 1,2-Dibromoethane	11.012	107	26282	24.008	ug/l	98
64) Tetrachloroethene	10.646	164	35792	20.188	ug/l	97
65) Chlorobenzene	11.438	112	114212	21.716	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	41635	22.322	ug/l	99
67) Ethyl Benzene	11.518	91	209383	21.240	ug/l	99
68) m/p-Xylenes	11.627	106	153544	42.535	ug/l	99
69) o-Xylene	11.950	106	74441	22.012	ug/l	99
70) Styrene	11.969	104	126457	22.413	ug/l	99
71) Bromoform	12.133	173	23219	24.485	ug/l #	98
73) Isopropylbenzene	12.255	105	201864	19.332	ug/l	99
74) N-ethyl acetate	12.066	43	44793	21.886	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33205	22.112	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	22580m	20.539	ug/l	
77) Bromobenzene	12.530	156	44468	20.564	ug/l	98
78) n-propylbenzene	12.591	91	240435	19.448	ug/l	99
79) 2-Chlorotoluene	12.676	91	137342	19.687	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	166434	19.889	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11834	22.086	ug/l	97
82) 4-Chlorotoluene	12.773	91	144042	20.233	ug/l	100
83) tert-Butylbenzene	12.999	119	153237	20.255	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	165793	20.384	ug/l	100
85) sec-Butylbenzene	13.176	105	217615	20.071	ug/l	100
86) p-Isopropyltoluene	13.292	119	182330	20.350	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	88641	21.255	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	87476	21.426	ug/l	99
89) n-Butylbenzene	13.615	91	168856	20.320	ug/l	98
90) Hexachloroethane	13.877	117	35313	20.224	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	75978	21.483	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4952	21.783	ug/l	94
93) 1,2,4-Trichlorobenzene	14.925	180	45489	22.874	ug/l	98
94) Hexachlorobutadiene	15.023	225	30526	21.941	ug/l	97
95) Naphthalene	15.145	128	74821	23.250	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	38004	23.683	ug/l	99

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

