

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121024\
 Data File : VY020563.D
 Acq On : 10 Dec 2024 12:17
 Operator : SY/MD
 Sample : VY1210SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1210SBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 00:47:17 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	165679	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	267297	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	223946	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	111842	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84570	50.190	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.380%
35) Dibromofluoromethane	7.634	113	82702	49.147	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.300%
50) Toluene-d8	10.103	98	306158	47.780	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.560%
62) 4-Bromofluorobenzene	12.402	95	108196	48.279	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	96.560%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	26155	16.184	ug/l	99
3) Chloromethane	2.068	50	26433	16.154	ug/l	97
4) Vinyl Chloride	2.202	62	27261	16.340	ug/l	95
5) Bromomethane	2.586	94	17256	17.628	ug/l	98
6) Chloroethane	2.726	64	18138	17.738	ug/l	99
7) Trichlorofluoromethane	3.056	101	55308	17.700	ug/l	99
8) Diethyl Ether	3.452	74	17773	20.075	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.812	101	33941	18.642	ug/l	96
10) Methyl Iodide	4.001	142	37678	18.435	ug/l	98
11) Tert butyl alcohol	4.854	59	17516	160.251	ug/l #	94
12) 1,1-Dichloroethene	3.781	96	31191	18.136	ug/l	92
13) Acrolein	3.647	56	11123	108.690	ug/l	99
14) Allyl chloride	4.379	41	57426	18.721	ug/l	94
15) Acrylonitrile	5.055	53	41353	112.104	ug/l	99
16) Acetone	3.866	43	45574	108.777	ug/l	96
17) Carbon Disulfide	4.098	76	74144	15.063	ug/l	98
18) Methyl Acetate	4.385	43	20922	23.495	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	94493	21.514	ug/l	99
20) Methylene Chloride	4.610	84	36725	20.606	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	35593	18.632	ug/l	98
22) Diisopropyl ether	6.019	45	125309	20.543	ug/l	98
23) Vinyl Acetate	5.958	43	338395	104.886	ug/l	99
24) 1,1-Dichloroethane	5.915	63	71887	19.576	ug/l	99
25) 2-Butanone	6.890	43	60288	113.956	ug/l	100
26) 2,2-Dichloropropane	6.884	77	67110	19.322	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	44915	20.136	ug/l	97
28) Bromochloromethane	7.244	49	25709	18.747	ug/l	93
29) Tetrahydrofuran	7.262	42	33924	112.400	ug/l	96
30) Chloroform	7.415	83	73968	19.626	ug/l	100
31) Cyclohexane	7.701	56	56061	16.886	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	67959	18.726	ug/l	98
36) 1,1-Dichloropropene	7.835	75	51078	17.974	ug/l	98
37) Ethyl Acetate	6.982	43	24621	21.870	ug/l #	96
38) Carbon Tetrachloride	7.817	117	61004	17.987	ug/l	99
39) Methylcyclohexane	9.103	83	58493	16.588	ug/l	96
40) Benzene	8.079	78	157760	18.829	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	13580	21.219	ug/l	95
42) 1,2-Dichloroethane	8.152	62	43934	19.956	ug/l	99
43) Isopropyl Acetate	8.195	43	48623	21.388	ug/l #	87
44) Trichloroethene	8.866	130	39586	19.166	ug/l	91
45) 1,2-Dichloropropane	9.140	63	38098	19.432	ug/l	97
46) Dibromomethane	9.225	93	20595	21.216	ug/l	99
47) Bromodichloromethane	9.420	83	57254	20.018	ug/l	99
48) Methyl methacrylate	9.219	41	21711	20.480	ug/l	96
49) 1,4-Dioxane	9.219	88	4690	505.444	ug/l	93
51) 4-Methyl-2-Pentanone	9.993	43	128530	114.485	ug/l	97
52) Toluene	10.170	92	100854	19.293	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	51624	20.105	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	60859	20.055	ug/l	93
55) 1,1,2-Trichloroethane	10.567	97	27233	21.030	ug/l	97
56) Ethyl methacrylate	10.432	69	39166	21.376	ug/l	94
57) 1,3-Dichloropropane	10.713	76	48087	20.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	90070	104.991	ug/l	99
59) 2-Hexanone	10.756	43	92293	113.954	ug/l	97
60) Dibromochloromethane	10.908	129	37529	20.816	ug/l	98
61) 1,2-Dibromoethane	11.012	107	25472	21.510	ug/l	99
64) Tetrachloroethene	10.646	164	34909	18.448	ug/l	91
65) Chlorobenzene	11.438	112	109147	19.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	39922	20.054	ug/l	97
67) Ethyl Benzene	11.518	91	198492	18.865	ug/l	98
68) m/p-Xylenes	11.627	106	147521	38.290	ug/l	99
69) o-Xylene	11.950	106	70928	19.651	ug/l	98
70) Styrene	11.969	104	120287	19.975	ug/l	99
71) Bromoform	12.127	173	22118	21.853	ug/l #	100
73) Isopropylbenzene	12.249	105	190432	17.598	ug/l	98
74) N-amyl acetate	12.066	43	43567	20.541	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	31963	20.539	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	21104m	18.523	ug/l	
77) Bromobenzene	12.530	156	42288	18.870	ug/l	96
78) n-propylbenzene	12.591	91	230685	18.005	ug/l	98
79) 2-Chlorotoluene	12.676	91	134286	18.575	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	160596	18.519	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	10903	19.636	ug/l	95
82) 4-Chlorotoluene	12.773	91	137337	18.615	ug/l	99
83) tert-Butylbenzene	12.993	119	139749	17.825	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	158125	18.760	ug/l	100
85) sec-Butylbenzene	13.170	105	206411	18.370	ug/l	99
86) p-Isopropyltoluene	13.292	119	174318	18.774	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	85227	19.720	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	82935	19.602	ug/l	99
89) n-Butylbenzene	13.615	91	161804	18.789	ug/l	99
90) Hexachloroethane	13.877	117	33984	18.781	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	74260	20.261	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4936	20.952	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	44244	21.468	ug/l	98
94) Hexachlorobutadiene	15.023	225	28679	19.892	ug/l	99
95) Naphthalene	15.145	128	75347	22.593	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	37584	22.601	ug/l	99

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

