

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
 Data File : VY019985.D
 Acq On : 23 Oct 2024 10:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/24/2024
 Supervised By :Semsettin Yesilyurt 10/24/2024

Quant Time: Oct 23 23:03:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	247993	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	444115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	376691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	183428	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	180558	59.131	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.260%	
35) Dibromofluoromethane	7.634	113	175329	59.826	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.660%	
50) Toluene-d8	10.109	98	629519	58.167	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.340%	
62) 4-Bromofluorobenzene	12.402	95	228758	58.498	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 117.000%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	101924	44.149	ug/l	98
3) Chloromethane	2.074	50	149899	49.888	ug/l	99
4) Vinyl Chloride	2.208	62	172110	52.052	ug/l	100
5) Bromomethane	2.598	94	111207	53.136	ug/l	97
6) Chloroethane	2.739	64	121964	54.907	ug/l	98
7) Trichlorofluoromethane	3.062	101	265858	54.036	ug/l	99
8) Diethyl Ether	3.458	74	77779	52.016	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.818	101	154356	53.937	ug/l	90
10) Methyl Iodide	4.007	142	137415	47.477	ug/l #	89
11) Tert butyl alcohol	4.860	59	57658	231.791	ug/l #	80
12) 1,1-Dichloroethene	3.793	96	133520	50.187	ug/l #	77
13) Acrolein	3.659	56	34228	152.550	ug/l	100
14) Allyl chloride	4.385	41	261837	54.546	ug/l #	89
15) Acrylonitrile	5.061	53	186127	272.141	ug/l	98
16) Acetone	3.873	43	218102	274.383	ug/l #	83
17) Carbon Disulfide	4.110	76	305703	42.869	ug/l	100
18) Methyl Acetate	4.385	43	93443	54.571	ug/l	89
19) Methyl tert-butyl Ether	5.122	73	411798	53.877	ug/l	95
20) Methylene Chloride	4.616	84	158821	54.142	ug/l #	82
21) trans-1,2-Dichloroethene	5.116	96	149515	51.636	ug/l #	82
22) Diisopropyl ether	6.019	45	614261	58.748	ug/l #	91
23) Vinyl Acetate	5.964	43	1658957	276.761	ug/l #	90
24) 1,1-Dichloroethane	5.915	63	337057	57.991	ug/l	95
25) 2-Butanone	6.890	43	281510	264.584	ug/l #	82
26) 2,2-Dichloropropane	6.890	77	288226	55.683	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	200153	55.934	ug/l	84
28) Bromochloromethane	7.244	49	149900	58.595	ug/l #	71
29) Tetrahydrofuran	7.262	42	158820	261.430	ug/l #	81
30) Chloroform	7.421	83	349349	58.963	ug/l	99
31) Cyclohexane	7.701	56	252699	49.528	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	297864	57.366	ug/l	95
36) 1,1-Dichloropropene	7.835	75	230635	54.625	ug/l	93
37) Ethyl Acetate	6.988	43	112956	51.306	ug/l	94
38) Carbon Tetrachloride	7.817	117	247428	54.665	ug/l	99
39) Methylcyclohexane	9.109	83	274320	51.565	ug/l	88
40) Benzene	8.079	78	696926	54.541	ug/l	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	59618	50.034	ug/l	89
42) 1,2-Dichloroethane	8.158	62	202260	55.097	ug/l	93
43) Isopropyl Acetate	8.195	43	232650	51.816	ug/l #	77
44) Trichloroethene	8.866	130	161463	52.172	ug/l	87
45) 1,2-Dichloropropane	9.140	63	179444	56.107	ug/l	97
46) Dibromomethane	9.231	93	90638	51.870	ug/l	89
47) Bromodichloromethane	9.420	83	265688	57.283	ug/l	97
48) Methyl methacrylate	9.219	41	106624	53.986	ug/l #	80
49) 1,4-Dioxane	9.231	88	19625	1003.460	ug/l #	94
51) 4-Methyl-2-Pentanone	9.999	43	609795	266.268	ug/l	89
52) Toluene	10.170	92	440841	55.270	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	226370	54.244	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	269958	54.823	ug/l #	82
55) 1,1,2-Trichloroethane	10.573	97	120818	52.479	ug/l	94
56) Ethyl methacrylate	10.438	69	176673	53.482	ug/l #	73
57) 1,3-Dichloropropane	10.713	76	218819	54.123	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	411378	267.502	ug/l	93
59) 2-Hexanone	10.762	43	439239	268.533	ug/l	86
60) Dibromochloromethane	10.914	129	161592	54.686	ug/l	100
61) 1,2-Dibromoethane	11.012	107	107403	51.627	ug/l	99
64) Tetrachloroethene	10.646	164	133464	49.812	ug/l	91
65) Chlorobenzene	11.438	112	471252	54.696	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	163034	55.929	ug/l	99
67) Ethyl Benzene	11.518	91	887134	56.682	ug/l	99
68) m/p-Xylenes	11.627	106	650716	112.576	ug/l	92
69) o-Xylene	11.956	106	310724	55.949	ug/l	91
70) Styrene	11.969	104	532136	56.792	ug/l	96
71) Bromoform	12.133	173	83261	53.355	ug/l #	97
73) Isopropylbenzene	12.255	105	863543	55.970	ug/l	98
74) N-amyl acetate	12.072	43	215840	52.819	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	144667	52.769	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	104500m	29.082	ug/l	
77) Bromobenzene	12.530	156	168814	51.561	ug/l	82
78) n-propylbenzene	12.597	91	1061857	56.958	ug/l	97
79) 2-Chlorotoluene	12.682	91	592271	55.415	ug/l	93
80) 1,3,5-Trimethylbenzene	12.737	105	693948	55.694	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.304	75	45841	51.493	ug/l #	83
82) 4-Chlorotoluene	12.773	91	610988	55.909	ug/l	94
83) tert-Butylbenzene	12.999	119	635137	56.900	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	691719	55.994	ug/l	95
85) sec-Butylbenzene	13.176	105	959289	57.520	ug/l	98
86) p-Isopropyltoluene	13.292	119	760305	56.142	ug/l	95
87) 1,3-Dichlorobenzene	13.285	146	352651	53.337	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	345865	53.247	ug/l	97
89) n-Butylbenzene	13.615	91	771774	58.364	ug/l	98
90) Hexachloroethane	13.883	117	150334	57.010	ug/l	86
91) 1,2-Dichlorobenzene	13.657	146	312786	53.840	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	21746	49.702	ug/l	74
93) 1,2,4-Trichlorobenzene	14.919	180	171570	52.668	ug/l	96
94) Hexachlorobutadiene	15.023	225	94530	52.195	ug/l	98
95) Naphthalene	15.145	128	311883	50.762	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	140862	51.153	ug/l	97

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

