

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100824\
 Data File : VY019825.D
 Acq On : 08 Oct 2024 17:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/09/2024
 Supervised By :Semsettin Yesilyurt 10/09/2024

Quant Time: Oct 09 03:24:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	256525	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	459186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	393828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158801	66.853	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	133.700%	
35) Dibromofluoromethane	7.634	113	152968	58.755	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	117.500%	
50) Toluene-d8	10.103	98	585887	60.841	ug/l	0.00
Spiked Amount 50.000	Range 58	- 134	Recovery	=	121.680%	
62) 4-Bromofluorobenzene	12.401	95	199015	53.748	ug/l	0.00
Spiked Amount 50.000	Range 29	- 146	Recovery	=	107.500%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	111027	81.791	ug/l	98
3) Chloromethane	2.068	50	156050	73.526	ug/l	99
4) Vinyl Chloride	2.208	62	174784	76.159	ug/l	96
5) Bromomethane	2.598	94	112712	79.955	ug/l	99
6) Chloroethane	2.739	64	116853	77.888	ug/l	97
7) Trichlorofluoromethane	3.062	101	248963	65.078	ug/l	100
8) Diethyl Ether	3.458	74	76975	59.942	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.818	101	144647	61.121	ug/l	93
10) Methyl Iodide	4.007	142	159166	52.458	ug/l	90
11) Tert butyl alcohol	4.866	59	50096	261.148	ug/l #	96
12) 1,1-Dichloroethene	3.793	96	140755	61.845	ug/l #	81
13) Acrolein	3.659	56	27947	305.821	ug/l	98
14) Allyl chloride	4.385	41	252146	61.778	ug/l #	91
15) Acrylonitrile	5.061	53	166670	301.009	ug/l	99
16) Acetone	3.873	43	158326	279.779	ug/l #	86
17) Carbon Disulfide	4.110	76	401558	65.302	ug/l	99
18) Methyl Acetate	4.391	43	108615	70.726	ug/l	90
19) Methyl tert-butyl Ether	5.116	73	378592	58.733	ug/l	99
20) Methylene Chloride	4.622	84	154080	59.703	ug/l #	85
21) trans-1,2-Dichloroethene	5.116	96	157460	63.120	ug/l	87
22) Diisopropyl ether	6.025	45	537877	64.176	ug/l	94
23) Vinyl Acetate	5.958	43	1381404	288.555	ug/l #	92
24) 1,1-Dichloroethane	5.921	63	308302	65.553	ug/l	96
25) 2-Butanone	6.896	43	231628	287.791	ug/l #	85
26) 2,2-Dichloropropane	6.890	77	240199	56.619	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	188894	62.335	ug/l	87
28) Bromochloromethane	7.244	49	140615	71.059	ug/l #	79
29) Tetrahydrofuran	7.268	42	143021	292.262	ug/l #	85
30) Chloroform	7.421	83	307621	64.073	ug/l	99
31) Cyclohexane	7.701	56	256698	60.384	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	273381	63.527	ug/l	96
36) 1,1-Dichloropropene	7.835	75	217327	61.346	ug/l	96
37) Ethyl Acetate	6.982	43	101525	55.932	ug/l	95
38) Carbon Tetrachloride	7.823	117	232728	58.256	ug/l	99
39) Methylcyclohexane	9.109	83	270555	57.388	ug/l #	87
40) Benzene	8.079	78	662880	60.751	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	53005	50.095	ug/l	91
42) 1,2-Dichloroethane	8.158	62	184961	62.995	ug/l	94
43) Isopropyl Acetate	8.195	43	207703	54.466	ug/l #	79
44) Trichloroethene	8.866	130	158807	56.591	ug/l	89
45) 1,2-Dichloropropane	9.140	63	159958	59.964	ug/l	100
46) Dibromomethane	9.231	93	86005	58.957	ug/l	92
47) Bromodichloromethane	9.420	83	232768	59.360	ug/l	99
48) Methyl methacrylate	9.219	41	96470	53.569	ug/l	83
49) 1,4-Dioxane	9.231	88	18223	1061.151	ug/l #	87
51) 4-Methyl-2-Pentanone	9.999	43	532681	277.650	ug/l	90
52) Toluene	10.170	92	415533	59.213	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	202087	54.063	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	241309	55.440	ug/l #	85
55) 1,1,2-Trichloroethane	10.573	97	111580	55.389	ug/l	95
56) Ethyl methacrylate	10.438	69	161935	52.917	ug/l #	76
57) 1,3-Dichloropropane	10.713	76	196931	56.871	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	382176	269.080	ug/l	95
59) 2-Hexanone	10.762	43	360825	256.534	ug/l	87
60) Dibromochloromethane	10.908	129	143339	53.789	ug/l	100
61) 1,2-Dibromoethane	11.012	107	100503	53.545	ug/l	99
64) Tetrachloroethene	10.646	164	140927	57.786	ug/l	93
65) Chlorobenzene	11.438	112	437075	56.420	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	144644	53.927	ug/l	98
67) Ethyl Benzene	11.518	91	809944	58.842	ug/l	100
68) m/p-Xylenes	11.627	106	592947	113.923	ug/l	92
69) o-Xylene	11.950	106	285614	56.111	ug/l	93
70) Styrene	11.969	104	477683	55.583	ug/l	96
71) Bromoform	12.127	173	76506	49.939	ug/l #	97
73) Isopropylbenzene	12.249	105	764209	58.406	ug/l	99
74) N-amyl acetate	12.066	43	178727	50.225	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	128844	55.478	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	85213m	50.407	ug/l	
77) Bromobenzene	12.530	156	159334	54.906	ug/l	88
78) n-propylbenzene	12.590	91	914461	58.964	ug/l	98
79) 2-Chlorotoluene	12.676	91	516860	57.187	ug/l	94
80) 1,3,5-Trimethylbenzene	12.731	105	606854	57.051	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	39933	45.348	ug/l #	86
82) 4-Chlorotoluene	12.773	91	524083	56.403	ug/l	95
83) tert-Butylbenzene	12.993	119	544693	56.564	ug/l	94
84) 1,2,4-Trimethylbenzene	13.042	105	602027	57.176	ug/l	96
85) sec-Butylbenzene	13.170	105	802568	57.370	ug/l	98
86) p-Isopropyltoluene	13.285	119	643680	56.238	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	310144	55.001	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	303862	54.298	ug/l	96
89) n-Butylbenzene	13.615	91	618260	56.504	ug/l	99
90) Hexachloroethane	13.877	117	126847	53.263	ug/l	89
91) 1,2-Dichlorobenzene	13.657	146	273140	54.281	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	18737	48.408	ug/l	77
93) 1,2,4-Trichlorobenzene	14.913	180	143859	47.006	ug/l	97
94) Hexachlorobutadiene	15.017	225	78220	47.843	ug/l	100
95) Naphthalene	15.139	128	274537	44.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	119575	45.678	ug/l	99

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

