

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101624\
 Data File : VY019909.D
 Acq On : 16 Oct 2024 10:10
 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 10/17/2024
 Supervised By :Semsettin Yesilyurt 10/17/2024

Quant Time: Oct 17 01:49:00 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	7.707	168	250371	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	421906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	340582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	136650	44.327	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.660%		
35) Dibromofluoromethane	7.640	113	146200	52.512	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.020%		
50) Toluene-d8	10.109	98	550512	53.545	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	107.080%		
62) 4-Bromofluorobenzene	12.408	95	180172	48.499	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	97.000%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	108850	46.702	ug/l	98
3) Chloromethane	2.074	50	149831	49.392	ug/l	99
4) Vinyl Chloride	2.208	62	175325	52.521	ug/l	98
5) Bromomethane	2.605	94	98448	46.593	ug/l	99
6) Chloroethane	2.745	64	113987	50.828	ug/l	97
7) Trichlorofluoromethane	3.068	101	260363	52.416	ug/l	97
8) Diethyl Ether	3.458	74	62902	41.667	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.824	101	154226	53.379	ug/l	91
10) Methyl Iodide	4.013	142	137878	47.184	ug/l	91
11) Tert butyl alcohol	4.848	59	44107	171.056	ug/l	# 80
12) 1,1-Dichloroethene	3.800	96	133157	49.575	ug/l	# 79
13) Acrolein	3.653	56	23496	103.724	ug/l	97
14) Allyl chloride	4.391	41	246446	50.852	ug/l	# 89
15) Acrylonitrile	5.061	53	137312	198.860	ug/l	98
16) Acetone	3.867	43	192436	239.794	ug/l	# 81
17) Carbon Disulfide	4.117	76	319317	44.353	ug/l	100
18) Methyl Acetate	4.391	43	75255	43.532	ug/l	# 89
19) Methyl tert-butyl Ether	5.122	73	326978	42.373	ug/l	98
20) Methylene Chloride	4.623	84	138387	46.616	ug/l	# 77
21) trans-1,2-Dichloroethene	5.122	96	144494	49.428	ug/l	# 84
22) Diisopropyl ether	6.025	45	533369	50.527	ug/l	# 91
23) Vinyl Acetate	5.964	43	1266790	209.329	ug/l	# 91
24) 1,1-Dichloroethane	5.921	63	304724	51.930	ug/l	98
25) 2-Butanone	6.897	43	235234	218.990	ug/l	# 83
26) 2,2-Dichloropropane	6.890	77	273385	52.314	ug/l	93
27) cis-1,2-Dichloroethene	6.897	96	178992	49.546	ug/l	81
28) Bromochloromethane	7.250	49	125650	48.649	ug/l	# 72
29) Tetrahydrofuran	7.262	42	121187	197.588	ug/l	# 81
30) Chloroform	7.427	83	312501	52.243	ug/l	97
31) Cyclohexane	7.707	56	251985	48.919	ug/l	89
32) 1,1,1-Trichloroethane	7.622	97	284730	54.315	ug/l	# 94
36) 1,1-Dichloropropene	7.835	75	224537	55.980	ug/l	94
37) Ethyl Acetate	6.988	43	84181	40.249	ug/l	95
38) Carbon Tetrachloride	7.823	117	244055	56.758	ug/l	98
39) Methylcyclohexane	9.110	83	268478	53.123	ug/l	90
40) Benzene	8.085	78	646222	53.236	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	48661	42.988	ug/l #	85
42) 1,2-Dichloroethane	8.158	62	161444	46.293	ug/l	94
43) Isopropyl Acetate	8.201	43	175077	41.046	ug/l #	77
44) Trichloroethene	8.866	130	152097	51.732	ug/l	88
45) 1,2-Dichloropropane	9.146	63	154324	50.793	ug/l	96
46) Dibromomethane	9.231	93	72200	43.494	ug/l	90
47) Bromodichloromethane	9.427	83	220524	50.049	ug/l	98
48) Methyl methacrylate	9.219	41	82423	43.930	ug/l #	80
49) 1,4-Dioxane	9.225	88	13947	750.674	ug/l #	89
51) 4-Methyl-2-Pentanone	10.000	43	460584	211.701	ug/l	88
52) Toluene	10.170	92	402847	53.165	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	179409	45.254	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	224204	47.928	ug/l #	84
55) 1,1,2-Trichloroethane	10.573	97	96441	44.096	ug/l	90
56) Ethyl methacrylate	10.439	69	133796	42.634	ug/l #	71
57) 1,3-Dichloropropane	10.719	76	169210	44.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	319336	218.582	ug/l	93
59) 2-Hexanone	10.762	43	345589	222.400	ug/l	86
60) Dibromochloromethane	10.914	129	126574	45.090	ug/l	98
61) 1,2-Dibromoethane	11.018	107	83463	42.231	ug/l	98
64) Tetrachloroethene	10.646	164	126926	52.394	ug/l #	89
65) Chlorobenzene	11.444	112	413516	53.083	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	139490	52.925	ug/l	99
67) Ethyl Benzene	11.518	91	803693	56.795	ug/l	98
68) m/p-Xylenes	11.627	106	578409	110.676	ug/l	91
69) o-Xylene	11.957	106	271004	53.971	ug/l	91
70) Styrene	11.969	104	446646	52.722	ug/l	95
71) Bromoform	12.133	173	62648	44.402	ug/l #	98
73) Isopropylbenzene	12.255	105	771537	60.959	ug/l	97
74) N-amyl acetate	12.072	43	154219	46.005	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	110194	48.998	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	78833m	26.743	ug/l	
77) Bromobenzene	12.530	156	140205	52.202	ug/l	85
78) n-propylbenzene	12.597	91	945965	61.854	ug/l	96
79) 2-Chlorotoluene	12.682	91	507252	57.855	ug/l	94
80) 1,3,5-Trimethylbenzene	12.737	105	595621	58.272	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.304	75	31337	42.910	ug/l #	79
82) 4-Chlorotoluene	12.780	91	516976	57.667	ug/l	94
83) tert-Butylbenzene	12.999	119	556757	60.802	ug/l	95
84) 1,2,4-Trimethylbenzene	13.042	105	582582	57.488	ug/l	97
85) sec-Butylbenzene	13.176	105	831101	60.748	ug/l	97
86) p-Isopropyltoluene	13.292	119	653353	58.811	ug/l	96
87) 1,3-Dichlorobenzene	13.286	146	286146	52.756	ug/l	96
88) 1,4-Dichlorobenzene	13.365	146	277319	52.045	ug/l	97
89) n-Butylbenzene	13.621	91	639423	58.945	ug/l	98
90) Hexachloroethane	13.883	117	126085	58.286	ug/l	87
91) 1,2-Dichlorobenzene	13.658	146	240567	50.478	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	14584	40.633	ug/l	75
93) 1,2,4-Trichlorobenzene	14.919	180	120738	45.181	ug/l	97
94) Hexachlorobutadiene	15.023	225	76456	51.461	ug/l	98
95) Naphthalene	15.145	128	199448	39.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	95206	42.145	ug/l	97

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

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