

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092324\
 Data File : VY019670.D
 Acq On : 23 Sep 2024 16:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/24/2024
 Supervised By :Semsettin Yesilyurt 09/24/2024

Quant Time: Sep 24 04:17:16 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	382857	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	677770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	585059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	282319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	190266	53.669	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.340%			
35) Dibromofluoromethane	7.628	113	196393	51.106	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.220%			
50) Toluene-d8	10.109	98	714008	50.234	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.460%			
62) 4-Bromofluorobenzene	12.408	95	261456	47.839	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 95.680%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	81727	38.079	ug/l	99
3) Chloromethane	2.074	50	133448	42.129	ug/l	99
4) Vinyl Chloride	2.208	62	164508	48.029	ug/l	100
5) Bromomethane	2.599	94	121690	57.840	ug/l	98
6) Chloroethane	2.733	64	121589	54.302	ug/l	96
7) Trichlorofluoromethane	3.062	101	282154	49.417	ug/l	95
8) Diethyl Ether	3.452	74	92054	48.031	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.818	101	166707	47.199	ug/l	97
10) Methyl Iodide	4.007	142	194432	42.936	ug/l	92
11) Tert butyl alcohol	4.860	59	66204	231.239	ug/l	# 80
12) 1,1-Dichloroethene	3.787	96	157113	46.253	ug/l	84
13) Acrolein	3.647	56	21935	153.622	ug/l	97
14) Allyl chloride	4.379	41	275041	45.152	ug/l	# 94
15) Acrylonitrile	5.049	53	194062	234.831	ug/l	99
16) Acetone	3.867	43	162435	192.325	ug/l	# 86
17) Carbon Disulfide	4.104	76	402147	43.818	ug/l	97
18) Methyl Acetate	4.379	43	106528	46.478	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	463379	48.166	ug/l	100
20) Methylene Chloride	4.610	84	185835	48.247	ug/l	91
21) trans-1,2-Dichloroethene	5.104	96	182287	48.960	ug/l	91
22) Diisopropyl ether	6.013	45	601947	48.122	ug/l	93
23) Vinyl Acetate	5.952	43	1638531	229.327	ug/l	# 93
24) 1,1-Dichloroethane	5.909	63	349409	49.778	ug/l	99
25) 2-Butanone	6.890	43	251581	209.439	ug/l	91
26) 2,2-Dichloropropane	6.878	77	292132	46.139	ug/l	97
27) cis-1,2-Dichloroethene	6.884	96	230174	50.894	ug/l	92
28) Bromochloromethane	7.238	49	156165	52.877	ug/l	89
29) Tetrahydrofuran	7.256	42	161230	220.755	ug/l	89
30) Chloroform	7.415	83	373365	52.106	ug/l	98
31) Cyclohexane	7.695	56	269680	42.505	ug/l	96
32) 1,1,1-Trichloroethane	7.610	97	326503	50.836	ug/l	98
36) 1,1-Dichloropropene	7.829	75	247310	47.296	ug/l	96
37) Ethyl Acetate	6.976	43	117393	43.816	ug/l	96
38) Carbon Tetrachloride	7.817	117	280054	47.494	ug/l	99
39) Methylcyclohexane	9.110	83	306557	44.054	ug/l	92
40) Benzene	8.079	78	762617	47.351	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	70413	45.085	ug/l #	84
42) 1,2-Dichloroethane	8.152	62	215270	49.673	ug/l	97
43) Isopropyl Acetate	8.195	43	244558	43.448	ug/l	92
44) Trichloroethene	8.866	130	196701	47.489	ug/l	95
45) 1,2-Dichloropropane	9.140	63	184435	46.842	ug/l	97
46) Dibromomethane	9.231	93	106614	49.515	ug/l	94
47) Bromodichloromethane	9.420	83	286461	49.493	ug/l	99
48) Methyl methacrylate	9.219	41	111508	41.950	ug/l	86
49) 1,4-Dioxane	9.225	88	23591	930.701	ug/l #	98
51) 4-Methyl-2-Pentanone	10.000	43	604081	213.321	ug/l	93
52) Toluene	10.170	92	497397	48.020	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	252053	45.683	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	294420	45.827	ug/l #	88
55) 1,1,2-Trichloroethane	10.573	97	142554	47.942	ug/l	98
56) Ethyl methacrylate	10.439	69	202886	44.918	ug/l #	83
57) 1,3-Dichloropropane	10.719	76	239941	46.945	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	1046583	499.227	ug/l	99
59) 2-Hexanone	10.762	43	408295	196.666	ug/l	91
60) Dibromochloromethane	10.914	129	191665	48.728	ug/l	99
61) 1,2-Dibromoethane	11.018	107	130576	47.131	ug/l	97
64) Tetrachloroethene	10.646	164	175334	48.395	ug/l	96
65) Chlorobenzene	11.444	112	553451	48.091	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	190322	47.764	ug/l	99
67) Ethyl Benzene	11.518	91	978856	47.869	ug/l	99
68) m/p-Xylenes	11.627	106	737464	95.377	ug/l	94
69) o-Xylene	11.957	106	358679	47.433	ug/l	94
70) Styrene	11.969	104	609350	47.728	ug/l	97
71) Bromoform	12.133	173	103669	45.551	ug/l #	98
73) Isopropylbenzene	12.255	105	964503	47.092	ug/l	100
74) N-amyl acetate	12.072	43	224046	40.222	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.505	83	164537	45.260	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	99911m	37.757	ug/l	
77) Bromobenzene	12.536	156	220605	48.565	ug/l	95
78) n-propylbenzene	12.597	91	1138100	46.882	ug/l	100
79) 2-Chlorotoluene	12.682	91	657668	46.487	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	774076	46.490	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	52291	37.936	ug/l	92
82) 4-Chlorotoluene	12.780	91	677700	46.595	ug/l	96
83) tert-Butylbenzene	12.999	119	715140	47.443	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	766219	46.489	ug/l	97
85) sec-Butylbenzene	13.176	105	1027334	46.915	ug/l	100
86) p-Isopropyltoluene	13.292	119	846743	47.262	ug/l	96
87) 1,3-Dichlorobenzene	13.286	146	417941	47.350	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	411960	47.029	ug/l	97
89) n-Butylbenzene	13.615	91	798375	46.614	ug/l	99
90) Hexachloroethane	13.883	117	172183	46.189	ug/l	93
91) 1,2-Dichlorobenzene	13.657	146	368566	46.793	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	25001	41.264	ug/l	86
93) 1,2,4-Trichlorobenzene	14.919	180	213092	44.482	ug/l	97
94) Hexachlorobutadiene	15.023	225	114946	44.915	ug/l	99
95) Naphthalene	15.145	128	403838	42.095	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	178285	43.509	ug/l	98

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

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