

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090924\
 Data File : VY019457.D
 Acq On : 09 Sep 2024 11:07
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Sep 09 15:41:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 15:39:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	671645	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	1151482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	990901	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	468543	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	325562	52.347	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.700%	
35) Dibromofluoromethane	7.634	113	334500	51.235	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.480%	
50) Toluene-d8	10.109	98	1248578	51.705	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.420%	
62) 4-Bromofluorobenzene	12.407	95	460690	49.616	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 99.240%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.866	85	177927	48.332	ug/l	98
3) Chloromethane	2.068	50	263436	47.407	ug/l	96
4) Vinyl Chloride	2.208	62	300397	49.993	ug/l	97
5) Bromomethane	2.598	94	190288	51.556	ug/l	100
6) Chloroethane	2.738	64	199185	50.879	ug/l	97
7) Trichlorofluoromethane	3.061	101	492607	49.180	ug/l	97
8) Diethyl Ether	3.458	74	177039	52.655	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.811	101	307217	49.581	ug/l	98
10) Methyl Iodide	4.006	142	410641	51.691	ug/l	95
11) Tert butyl alcohol	4.860	59	133972	266.740	ug/l #	83
12) 1,1-Dichloroethene	3.787	96	300478	50.425	ug/l	90
13) Acrolein	3.653	56	53474	218.490	ug/l	97
14) Allyl chloride	4.384	41	545476	51.045	ug/l #	90
15) Acrylonitrile	5.055	53	388791	268.181	ug/l	100
16) Acetone	3.872	43	416426	281.055	ug/l	89
17) Carbon Disulfide	4.104	76	861932	53.535	ug/l	100
18) Methyl Acetate	4.384	43	231482	57.570	ug/l	90
19) Methyl tert-butyl Ether	5.116	73	881716	52.243	ug/l	98
20) Methylene Chloride	4.616	84	337482	49.945	ug/l #	88
21) trans-1,2-Dichloroethene	5.110	96	336065	51.453	ug/l	87
22) Diisopropyl ether	6.018	45	1139270	51.916	ug/l	94
23) Vinyl Acetate	5.957	43	3249662	259.260	ug/l	94
24) 1,1-Dichloroethane	5.915	63	634644	51.539	ug/l	98
25) 2-Butanone	6.890	43	572622	271.734	ug/l	88
26) 2,2-Dichloropropane	6.884	77	561856	50.583	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	411602	51.878	ug/l	89
28) Bromochloromethane	7.244	49	275688	53.211	ug/l	87
29) Tetrahydrofuran	7.262	42	345791	269.883	ug/l	86
30) Chloroform	7.420	83	649656	51.681	ug/l	99
31) Cyclohexane	7.701	56	539100	48.435	ug/l	94
32) 1,1,1-Trichloroethane	7.615	97	572756	50.833	ug/l	97
36) 1,1-Dichloropropene	7.835	75	453738	51.075	ug/l	98
37) Ethyl Acetate	6.981	43	242374	53.248	ug/l	95
38) Carbon Tetrachloride	7.817	117	502945	50.204	ug/l	98
39) Methylcyclohexane	9.109	83	594139	50.256	ug/l	91
40) Benzene	8.079	78	1395546	51.003	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	150678	57.032	ug/l #	81
42) 1,2-Dichloroethane	8.158	62	380145	51.631	ug/l	97
43) Isopropyl Acetate	8.195	43	498715	52.151	ug/l	91
44) Trichloroethene	8.865	130	359266	51.054	ug/l	95
45) 1,2-Dichloropropane	9.140	63	338213	50.560	ug/l	98
46) Dibromomethane	9.231	93	193226	52.822	ug/l	98
47) Bromodichloromethane	9.426	83	502875	51.140	ug/l	97
48) Methyl methacrylate	9.219	41	244302	54.098	ug/l #	85
49) 1,4-Dioxane	9.231	88	44544	1034.375	ug/l #	85
51) 4-Methyl-2-Pentanone	9.999	43	1277824	265.603	ug/l	92
52) Toluene	10.170	92	909855	51.703	ug/l	97
53) t-1,3-Dichloropropene	10.395	75	490362	52.313	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	566612	51.912	ug/l #	91
55) 1,1,2-Trichloroethane	10.572	97	266168	52.689	ug/l	98
56) Ethyl methacrylate	10.438	69	400248	52.158	ug/l #	83
57) 1,3-Dichloropropane	10.719	76	454057	52.290	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	920624	258.483	ug/l	98
59) 2-Hexanone	10.761	43	940235	266.573	ug/l	90
60) Dibromochloromethane	10.914	129	350541	52.457	ug/l	99
61) 1,2-Dibromoethane	11.017	107	244635	51.974	ug/l	99
64) Tetrachloroethene	10.651	164	309179	50.386	ug/l	97
65) Chlorobenzene	11.444	112	986318	50.602	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	342177	50.703	ug/l	99
67) Ethyl Benzene	11.523	91	1752692	50.607	ug/l	99
68) m/p-Xylenes	11.633	106	1327314	101.355	ug/l	94
69) o-Xylene	11.956	106	649941	50.748	ug/l	96
70) Styrene	11.968	104	1102115	50.969	ug/l	96
71) Bromoform	12.133	173	202736	52.596	ug/l #	96
73) Isopropylbenzene	12.255	105	1692789	49.801	ug/l	99
74) N-amyl acetate	12.072	43	476107	51.502	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.511	83	311775	51.676	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	244432m	30.876	ug/l	
77) Bromobenzene	12.535	156	381103	50.552	ug/l	90
78) n-propylbenzene	12.596	91	2015036	50.015	ug/l	100
79) 2-Chlorotoluene	12.682	91	1175309	50.057	ug/l	96
80) 1,3,5-Trimethylbenzene	12.736	105	1389236	50.274	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	117913	51.543	ug/l	96
82) 4-Chlorotoluene	12.779	91	1207673	50.031	ug/l	96
83) tert-Butylbenzene	12.999	119	1250950	50.005	ug/l	95
84) 1,2,4-Trimethylbenzene	13.047	105	1372557	50.178	ug/l	97
85) sec-Butylbenzene	13.175	105	1813360	49.897	ug/l	100
86) p-Isopropyltoluene	13.291	119	1488630	50.065	ug/l	97
87) 1,3-Dichlorobenzene	13.291	146	737728	50.361	ug/l	97
88) 1,4-Dichlorobenzene	13.371	146	733165	50.431	ug/l	97
89) n-Butylbenzene	13.620	91	1423688	50.085	ug/l	99
90) Hexachloroethane	13.883	117	309590	50.041	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	666398	50.979	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	51627	51.343	ug/l	87
93) 1,2,4-Trichlorobenzene	14.919	180	409473	51.503	ug/l	98
94) Hexachlorobutadiene	15.023	225	209448	49.313	ug/l	98
95) Naphthalene	15.145	128	838543	52.667	ug/l	99
96) 1,2,3-Trichlorobenzene	15.327	180	353096	51.921	ug/l	98

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

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