

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
 Data File : VY020704.D
 Acq On : 23 Dec 2024 20:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2024
 Supervised By :Mahesh Dadoda 12/26/2024

Quant Time: Dec 25 01:04:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 25 00:58:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	103385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	145794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	126465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	66302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	47124	51.467	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	102.940%		
35) Dibromofluoromethane	7.646	113	42249	49.352	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.700%		
50) Toluene-d8	10.115	98	164066	52.766	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.540%		
62) 4-Bromofluorobenzene	12.414	95	56483	49.910	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	99.820%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39070	49.053	ug/l	96
3) Chloromethane	2.074	50	15804	48.704	ug/l	95
4) Vinyl Chloride	2.214	62	17896	45.236	ug/l	98
5) Bromomethane	2.611	94	13776	49.313	ug/l	97
6) Chloroethane	2.745	64	11432	47.545	ug/l	91
7) Trichlorofluoromethane	3.074	101	70652	49.661	ug/l	98
8) Diethyl Ether	3.464	74	17429	51.181	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.830	101	37478	48.241	ug/l	97
10) Methyl Iodide	4.019	142	45751	51.122	ug/l	98
11) Tert butyl alcohol	4.878	59	12554	171.272	ug/l #	95
12) 1,1-Dichloroethene	3.799	96	34679	50.296	ug/l	95
13) Acrolein	3.665	56	2863	175.643	ug/l	98
14) Allyl chloride	4.397	41	41616	51.470	ug/l	96
15) Acrylonitrile	5.073	53	32265	257.052	ug/l	97
16) Acetone	3.879	43	23495	224.651	ug/l	99
17) Carbon Disulfide	4.116	76	89362	51.983	ug/l	99
18) Methyl Acetate	4.403	43	14129	52.218	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	96927	51.682	ug/l	99
20) Methylene Chloride	4.628	84	35371	50.754	ug/l	92
21) trans-1,2-Dichloroethene	5.134	96	38121	51.276	ug/l	97
22) Diisopropyl ether	6.037	45	85498	51.724	ug/l	97
23) Vinyl Acetate	5.970	43	249368	254.770	ug/l	100
24) 1,1-Dichloroethane	5.933	63	64116	52.032	ug/l	98
25) 2-Butanone	6.909	43	35631	242.527	ug/l	98
26) 2,2-Dichloropropane	6.896	77	74414	48.269	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	45596	51.493	ug/l	99
28) Bromochloromethane	7.256	49	19178	52.179	ug/l	96
29) Tetrahydrofuran	7.268	42	21965	254.369	ug/l	99
30) Chloroform	7.433	83	80976	49.994	ug/l	97
31) Cyclohexane	7.713	56	50063	46.337	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	85341	50.435	ug/l	99
36) 1,1-Dichloropropene	7.847	75	52375	50.333	ug/l	98
37) Ethyl Acetate	6.988	43	17284	48.851	ug/l	99
38) Carbon Tetrachloride	7.829	117	85120	50.550	ug/l	97
39) Methylcyclohexane	9.115	83	67439	50.989	ug/l	97
40) Benzene	8.091	78	155801	51.901	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	9157	47.528	ug/l	97
42) 1,2-Dichloroethane	8.164	62	49338	51.679	ug/l	99
43) Isopropyl Acetate	8.207	43	36640	51.839	ug/l #	84
44) Trichloroethene	8.872	130	44640	50.106	ug/l	99
45) 1,2-Dichloropropane	9.146	63	30392	51.529	ug/l	97
46) Dibromomethane	9.237	93	21853	53.670	ug/l	94
47) Bromodichloromethane	9.432	83	59824	51.794	ug/l	92
48) Methyl methacrylate	9.225	41	16617	49.594	ug/l	98
49) 1,4-Dioxane	9.237	88	4411	1155.007	ug/l	93
51) 4-Methyl-2-Pentanone	10.006	43	88277	250.023	ug/l	99
52) Toluene	10.176	92	107314	52.497	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	53257	52.109	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	58353	51.816	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	27194	51.580	ug/l	97
56) Ethyl methacrylate	10.444	69	36039	53.588	ug/l	99
57) 1,3-Dichloropropane	10.719	76	45260	52.518	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	70747	281.507	ug/l	99
59) 2-Hexanone	10.768	43	59383	264.044	ug/l	99
60) Dibromochloromethane	10.914	129	44838	53.267	ug/l	100
61) 1,2-Dibromoethane	11.024	107	25312	51.212	ug/l	99
64) Tetrachloroethene	10.652	164	42528	50.635	ug/l	98
65) Chlorobenzene	11.450	112	121510	51.417	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	47276	51.228	ug/l	98
67) Ethyl Benzene	11.524	91	214345	50.554	ug/l	100
68) m/p-Xylenes	11.633	106	164557	101.778	ug/l	99
69) o-Xylene	11.963	106	78598	51.751	ug/l	99
70) Styrene	11.975	104	133817	52.384	ug/l	99
71) Bromoform	12.139	173	26828	50.753	ug/l #	98
73) Isopropylbenzene	12.261	105	219224	48.610	ug/l	99
74) N-amyl acetate	12.072	43	31826	50.222	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	27488	47.365	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	21307m	46.599	ug/l	
77) Bromobenzene	12.536	156	51097	49.756	ug/l	98
78) n-propylbenzene	12.603	91	247710	48.719	ug/l	99
79) 2-Chlorotoluene	12.688	91	141572	48.911	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	186425	49.839	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	10452	49.690	ug/l	97
82) 4-Chlorotoluene	12.786	91	146889	49.759	ug/l	99
83) tert-Butylbenzene	13.005	119	170884	49.098	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	181401	49.644	ug/l	100
85) sec-Butylbenzene	13.182	105	231763	49.454	ug/l	100
86) p-Isopropyltoluene	13.298	119	207000	50.523	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	99861	50.056	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	98479	50.384	ug/l	98
89) n-Butylbenzene	13.627	91	174927	50.680	ug/l	100
90) Hexachloroethane	13.889	117	38801	49.920	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	85918	50.182	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	5399	48.822	ug/l	95
93) 1,2,4-Trichlorobenzene	14.925	180	56391	55.478	ug/l	100
94) Hexachlorobutadiene	15.029	225	39605	52.330	ug/l	99
95) Naphthalene	15.151	128	91326	48.620	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	45813	53.910	ug/l	98

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

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