

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
 Data File : VY020475.D
 Acq On : 02 Dec 2024 10:24
 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 :Romaben Patel 12/03/2024
 Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:35:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 02 14:33:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	155772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	239903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	199039	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	95193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	86839	54.815	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.620%			
35) Dibromofluoromethane	7.646	113	83085	55.012	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.020%			
50) Toluene-d8	10.115	98	316633	55.057	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.120%			
62) 4-Bromofluorobenzene	12.414	95	108310	53.849	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 107.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	82109	54.038	ug/l	98
3) Chloromethane	2.080	50	81717	53.174	ug/l	96
4) Vinyl Chloride	2.214	62	84139	53.640	ug/l	95
5) Bromomethane	2.611	94	47831	51.970	ug/l	100
6) Chloroethane	2.745	64	49450	51.435	ug/l	97
7) Trichlorofluoromethane	3.074	101	151188	51.463	ug/l	99
8) Diethyl Ether	3.470	74	41546	49.912	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.830	101	85775	50.109	ug/l	98
10) Methyl Iodide	4.019	142	103373	53.794	ug/l	95
11) Tert butyl alcohol	4.878	59	26061	253.592	ug/l #	86
12) 1,1-Dichloroethene	3.806	96	83132	51.410	ug/l	94
13) Acrolein	3.665	56	21623	224.729	ug/l	98
14) Allyl chloride	4.403	41	146862	50.923	ug/l	96
15) Acrylonitrile	5.074	53	90066	259.690	ug/l	99
16) Acetone	3.885	43	113882	289.103	ug/l	99
17) Carbon Disulfide	4.123	76	258579	55.872	ug/l	99
18) Methyl Acetate	4.403	43	43429	51.872	ug/l	99
19) Methyl tert-butyl Ether	5.135	73	211544	51.227	ug/l	99
20) Methylene Chloride	4.635	84	83720	49.961	ug/l	97
21) trans-1,2-Dichloroethene	5.135	96	90361	50.311	ug/l	97
22) Diisopropyl ether	6.031	45	289358	50.455	ug/l	98
23) Vinyl Acetate	5.976	43	800176	263.789	ug/l	99
24) 1,1-Dichloroethane	5.933	63	170029	49.246	ug/l	99
25) 2-Butanone	6.909	43	139484	280.419	ug/l	99
26) 2,2-Dichloropropane	6.903	77	160984	49.297	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	105171	50.149	ug/l	97
28) Bromochloromethane	7.256	49	69292	53.742	ug/l	96
29) Tetrahydrofuran	7.274	42	76324	268.967	ug/l	99
30) Chloroform	7.433	83	173063	48.839	ug/l	95
31) Cyclohexane	7.713	56	155692	49.879	ug/l	93
32) 1,1,1-Trichloroethane	7.634	97	168843	49.484	ug/l	97
36) 1,1-Dichloropropene	7.847	75	131920	51.724	ug/l	99
37) Ethyl Acetate	7.000	43	52541	51.999	ug/l	98
38) Carbon Tetrachloride	7.829	117	155722	51.157	ug/l	97
39) Methylcyclohexane	9.116	83	166363	52.566	ug/l	97
40) Benzene	8.091	78	380413	50.588	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	32093	29.260	ug/l	98
42) 1,2-Dichloroethane	8.171	62	102637	51.944	ug/l	99
43) Isopropyl Acetate	8.207	43	108207	53.033	ug/l	97
44) Trichloroethene	8.872	130	93065	50.203	ug/l	99
45) 1,2-Dichloropropane	9.146	63	86411	49.106	ug/l	99
46) Dibromomethane	9.237	93	44234	50.770	ug/l	98
47) Bromodichloromethane	9.433	83	127504	49.671	ug/l	98
48) Methyl methacrylate	9.231	41	50583	53.165	ug/l	96
49) 1,4-Dioxane	9.244	88	9081	1090.417	ug/l	97
51) 4-Methyl-2-Pentanone	10.006	43	270025	267.981	ug/l	99
52) Toluene	10.176	92	238703	50.878	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	118994	51.634	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	139317	51.152	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	59217	50.951	ug/l	98
56) Ethyl methacrylate	10.445	69	88660	53.914	ug/l	94
57) 1,3-Dichloropropane	10.725	76	106282	51.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	239007	310.414	ug/l	97
59) 2-Hexanone	10.768	43	206410	283.955	ug/l	98
60) Dibromochloromethane	10.920	129	83049	51.325	ug/l	99
61) 1,2-Dibromoethane	11.024	107	54480	51.259	ug/l	99
64) Tetrachloroethene	10.652	164	83677	49.754	ug/l	97
65) Chlorobenzene	11.450	112	245417	49.192	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	86377	48.819	ug/l	98
67) Ethyl Benzene	11.524	91	466609	49.897	ug/l	100
68) m/p-Xylenes	11.633	106	337704	98.621	ug/l	97
69) o-Xylene	11.963	106	160324	49.976	ug/l	99
70) Styrene	11.975	104	268033	50.080	ug/l	99
71) Bromoform	12.139	173	45872	50.993	ug/l #	99
73) Isopropylbenzene	12.261	105	435110	47.241	ug/l	99
74) N-amyl acetate	12.078	43	94663	52.438	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	65184	49.213	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	40109m	22.311	ug/l	
77) Bromobenzene	12.542	156	91501	47.972	ug/l	98
78) n-propylbenzene	12.603	91	520871	47.765	ug/l	99
79) 2-Chlorotoluene	12.688	91	290546	47.218	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	352940	47.818	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	23979	50.738	ug/l	97
82) 4-Chlorotoluene	12.786	91	298495	47.536	ug/l	98
83) tert-Butylbenzene	13.005	119	315064	47.214	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	343348	47.860	ug/l	100
85) sec-Butylbenzene	13.182	105	452869	47.354	ug/l	99
86) p-Isopropyltoluene	13.298	119	378563	47.902	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	175749	47.777	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	172249	47.832	ug/l	100
89) n-Butylbenzene	13.627	91	352227	48.055	ug/l	99
90) Hexachloroethane	13.889	117	72237	46.902	ug/l	97
91) 1,2-Dichlorobenzene	13.670	146	150345	48.195	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	10309	51.412	ug/l	99
93) 1,2,4-Trichlorobenzene	14.932	180	87676	49.983	ug/l	100
94) Hexachlorobutadiene	15.029	225	61454	50.079	ug/l	98
95) Naphthalene	15.151	128	152909	53.869	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	72218	51.023	ug/l	99

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

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