

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101922\
 Data File : VY011011.D
 Acq On : 19 Oct 2022 15:42
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

Quant Time: Oct 20 05:14:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	279177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	447786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	403906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	196857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	127288	49.497	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.000%		
35) Dibromofluoromethane	7.716	113	131171	52.666	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.340%		
50) Toluene-d8	10.179	98	460061	49.206	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.420%		
62) 4-Bromofluorobenzene	12.483	95	169438	51.235	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	91857	49.604	ug/l	99
3) Chloromethane	2.113	50	134913	50.781	ug/l	97
4) Vinyl Chloride	2.253	62	162200	53.865	ug/l	99
5) Bromomethane	2.650	94	111919	53.737	ug/l	95
6) Chloroethane	2.790	64	111784	55.552	ug/l	98
7) Trichlorofluoromethane	3.125	101	240032	54.461	ug/l	95
8) Diethyl Ether	3.528	74	89013	54.120	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	148680	53.780	ug/l	94
10) Methyl Iodide	4.088	142	194904	57.615	ug/l	90
11) Tert butyl alcohol	4.942	59	85620	300.099	ug/l	99
12) 1,1-Dichloroethene	3.869	96	139864	52.812	ug/l	85
13) Acrolein	3.723	56	92607	223.377	ug/l	98
14) Allyl chloride	4.479	41	224267	53.400	ug/l #	89
15) Acrylonitrile	5.155	53	230554	268.922	ug/l	97
16) Acetone	3.942	43	218643	292.775	ug/l #	88
17) Carbon Disulfide	4.192	76	372136	47.931	ug/l	100
18) Methyl Acetate	4.472	43	108349	51.668	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	421125	56.913	ug/l	96
20) Methylene Chloride	4.710	84	191860	60.247	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	160387	53.645	ug/l	91
22) Diisopropyl ether	6.112	45	507081	56.377	ug/l #	93
23) Vinyl Acetate	6.058	43	1569281	291.763	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	301670	55.550	ug/l	98
25) 2-Butanone	6.978	43	308116	272.060	ug/l #	83
26) 2,2-Dichloropropane	6.978	77	271697	56.340	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	195307	56.681	ug/l	88
28) Bromochloromethane	7.332	49	105384	54.428	ug/l	85
29) Tetrahydrofuran	7.344	42	184893	265.351	ug/l #	84
30) Chloroform	7.502	83	309453	56.528	ug/l	100
31) Cyclohexane	7.783	56	244133	49.610	ug/l	93
32) 1,1,1-Trichloroethane	7.697	97	269929	56.096	ug/l	96
36) 1,1-Dichloropropene	7.917	75	227999	54.696	ug/l	98
37) Ethyl Acetate	7.070	43	126164	54.667	ug/l #	92
38) Carbon Tetrachloride	7.899	117	239017	55.547	ug/l	99
39) Methylcyclohexane	9.179	83	271422	54.363	ug/l	92
40) Benzene	8.155	78	672419	54.977	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	72282	57.796	ug/l #	40
42) 1,2-Dichloroethane	8.234	62	192425	56.780	ug/l	91
43) Isopropyl Acetate	8.271	43	233470	56.620	ug/l #	89
44) Trichloroethene	8.935	130	182657	55.109	ug/l	96
45) 1,2-Dichloropropane	9.216	63	171357	55.219	ug/l	94
46) Dibromomethane	9.301	93	98204	56.738	ug/l	96
47) Bromodichloromethane	9.496	83	241406	57.878	ug/l	98
48) Methyl methacrylate	9.289	41	104997	56.896	ug/l #	82
49) 1,4-Dioxane	9.295	88	27339	1099.358	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	639812	278.227	ug/l	88
52) Toluene	10.246	92	432193	56.880	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	247759	57.179	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	284392	57.354	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	141712	56.754	ug/l	99
56) Ethyl methacrylate	10.508	69	193070	58.218	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	242202	56.417	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	466875	282.192	ug/l	96
59) 2-Hexanone	10.831	43	451664	285.931	ug/l	85
60) Dibromochloromethane	10.983	129	172256	58.016	ug/l	99
61) 1,2-Dibromoethane	11.087	107	134088	56.077	ug/l	99
64) Tetrachloroethene	10.721	164	174230	55.413	ug/l	98
65) Chlorobenzene	11.514	112	466454	56.251	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	174355	56.806	ug/l	97
67) Ethyl Benzene	11.593	91	833483	56.814	ug/l	98
68) m/p-Xylenes	11.703	106	642994	113.937	ug/l	94
69) o-Xylene	12.026	106	309340	57.727	ug/l	94
70) Styrene	12.044	104	525549	57.880	ug/l	95
71) Bromoform	12.209	173	108845	57.461	ug/l #	99
73) Isopropylbenzene	12.331	105	819675	57.312	ug/l	99
74) N-amyl acetate	12.142	43	204397	56.328	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	164330	54.748	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	129870m	58.109	ug/l	
77) Bromobenzene	12.611	156	189586	56.710	ug/l	98
78) n-propylbenzene	12.672	91	994183	57.134	ug/l	99
79) 2-Chlorotoluene	12.758	91	556028	56.739	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	685638	57.456	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	58754	56.540	ug/l #	84
82) 4-Chlorotoluene	12.855	91	579615	56.806	ug/l	100
83) tert-Butylbenzene	13.075	119	593163	57.482	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	681325	57.901	ug/l	98
85) sec-Butylbenzene	13.251	105	891778	57.511	ug/l	100
86) p-Isopropyltoluene	13.367	119	739236	57.467	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	376197	56.385	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	369259	55.662	ug/l	99
89) n-Butylbenzene	13.696	91	691239	57.505	ug/l	99
90) Hexachloroethane	13.965	117	142618	56.178	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	338154	56.648	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	26476	53.350	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	200562	56.217	ug/l	98
94) Hexachlorobutadiene	15.111	225	117148	55.785	ug/l	99
95) Naphthalene	15.239	128	415086	57.130	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	173426	55.721	ug/l	99

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

