

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010983.D
 Acq On : 18 Oct 2022 09:44
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/19/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 15:21:22 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	277399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	445560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	401326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	191704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119078	46.601	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.200%		
35) Dibromofluoromethane	7.716	113	124481	50.125	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.260%		
50) Toluene-d8	10.179	98	456148	49.031	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.060%		
62) 4-Bromofluorobenzene	12.483	95	159823	48.399	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	87750	47.690	ug/l	99
3) Chloromethane	2.113	50	127169	48.173	ug/l	96
4) Vinyl Chloride	2.253	62	149807	50.069	ug/l	100
5) Bromomethane	2.650	94	100275	48.455	ug/l	98
6) Chloroethane	2.796	64	99867	49.948	ug/l	100
7) Trichlorofluoromethane	3.125	101	215187	49.137	ug/l	93
8) Diethyl Ether	3.527	74	79235	48.484	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.899	101	134217	48.860	ug/l	93
10) Methyl Iodide	4.088	142	173615	51.651	ug/l	90
11) Tert butyl alcohol	4.948	59	61430	210.088	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	127920	48.612	ug/l	85
13) Acrolein	3.729	56	91336	221.723	ug/l	98
14) Allyl chloride	4.479	41	210406	50.421	ug/l #	87
15) Acrylonitrile	5.161	53	206105	241.946	ug/l	97
16) Acetone	3.942	43	198179	267.074	ug/l #	88
17) Carbon Disulfide	4.192	76	364017	47.186	ug/l	100
18) Methyl Acetate	4.472	43	97763	46.644	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	362245	49.269	ug/l	97
20) Methylene Chloride	4.716	84	154415	47.426	ug/l #	84
21) trans-1,2-Dichloroethene	5.216	96	147209	49.553	ug/l	90
22) Diisopropyl ether	6.112	45	459569	51.422	ug/l	94
23) Vinyl Acetate	6.058	43	1397647	261.518	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	271963	50.401	ug/l	99
25) 2-Butanone	6.978	43	269443	239.438	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	238531	49.780	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	173511	50.678	ug/l	89
28) Bromochloromethane	7.332	49	101470	52.851	ug/l	90
29) Tetrahydrofuran	7.344	42	164672	237.846	ug/l	88
30) Chloroform	7.502	83	276392	50.813	ug/l	99
31) Cyclohexane	7.783	56	227736	46.574	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	239531	50.097	ug/l	96
36) 1,1-Dichloropropene	7.917	75	208568	50.285	ug/l	98
37) Ethyl Acetate	7.070	43	109808	47.818	ug/l #	93
38) Carbon Tetrachloride	7.899	117	215892	50.423	ug/l	98
39) Methylcyclohexane	9.179	83	247595	49.839	ug/l	93
40) Benzene	8.161	78	609230	50.060	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	62833m	50.491	ug/l	
42) 1,2-Dichloroethane	8.234	62	167064	49.543	ug/l	91
43) Isopropyl Acetate	8.271	43	200371	48.836	ug/l #	89
44) Trichloroethene	8.935	130	164601	49.909	ug/l	97
45) 1,2-Dichloropropane	9.215	63	158341	51.279	ug/l	98
46) Dibromomethane	9.307	93	86523	50.239	ug/l	96
47) Bromodichloromethane	9.496	83	210728	50.775	ug/l	99
48) Methyl methacrylate	9.289	41	91444	49.800	ug/l #	79
49) 1,4-Dioxane	9.295	88	23028	930.630	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	554079	242.149	ug/l #	88
52) Toluene	10.240	92	384532	50.860	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	217140	50.363	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	250830	50.838	ug/l #	82
55) 1,1,2-Trichloroethane	10.642	97	124928	50.283	ug/l	100
56) Ethyl methacrylate	10.508	69	166454	50.443	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	213502	49.980	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	401020	245.918	ug/l	98
59) 2-Hexanone	10.831	43	393886	250.600	ug/l	85
60) Dibromochloromethane	10.983	129	148846	50.382	ug/l	100
61) 1,2-Dibromoethane	11.087	107	116051	48.776	ug/l	100
64) Tetrachloroethene	10.721	164	151332	48.440	ug/l	98
65) Chlorobenzene	11.514	112	413884	50.232	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	154590	50.691	ug/l	97
67) Ethyl Benzene	11.593	91	741696	50.883	ug/l	99
68) m/p-Xylenes	11.703	106	573372	102.254	ug/l	94
69) o-Xylene	12.032	106	274416	51.539	ug/l	93
70) Styrene	12.044	104	464692	51.507	ug/l	95
71) Bromoform	12.209	173	93306	49.574	ug/l #	100
73) Isopropylbenzene	12.331	105	729606	52.385	ug/l	100
74) N-amyl acetate	12.142	43	175821	49.755	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	144511	49.440	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	117446m	53.962	ug/l	
77) Bromobenzene	12.611	156	164993	50.680	ug/l	99
78) n-propylbenzene	12.672	91	887898	52.397	ug/l	99
79) 2-Chlorotoluene	12.758	91	492619	51.620	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	608479	52.361	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	51287	50.681	ug/l #	84
82) 4-Chlorotoluene	12.855	91	510333	51.361	ug/l	100
83) tert-Butylbenzene	13.075	119	523593	52.104	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	600305	52.387	ug/l	98
85) sec-Butylbenzene	13.251	105	791704	52.430	ug/l	100
86) p-Isopropyltoluene	13.373	119	657272	52.469	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	326303	50.221	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	326525	50.544	ug/l	98
89) n-Butylbenzene	13.696	91	622509	53.179	ug/l	99
90) Hexachloroethane	13.965	117	128331	51.909	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	291035	50.065	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22698	46.966	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	175293	50.455	ug/l	99
94) Hexachlorobutadiene	15.111	225	103875	50.794	ug/l	99
95) Naphthalene	15.239	128	357640	50.547	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	150923	49.794	ug/l	99

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

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