

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101122\
 Data File : VY010906.D
 Acq On : 11 Oct 2022 09:54
 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 10/12/2022
 Supervised By :Mahesh Dadoda 10/12/2022

Quant Time: Oct 12 04:43:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	267179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	426970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	380524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	186818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	140064	51.719	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.440%			
35) Dibromofluoromethane	7.716	113	136103	48.021	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.040%			
50) Toluene-d8	10.179	98	518481	53.491	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.980%			
62) 4-Bromofluorobenzene	12.483	95	179813	47.284	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	84752	45.788	ug/l	99
3) Chloromethane	2.113	50	132774	43.127	ug/l	95
4) Vinyl Chloride	2.253	62	159942	43.144	ug/l	98
5) Bromomethane	2.650	94	110498	42.006	ug/l	99
6) Chloroethane	2.790	64	108236	43.810	ug/l	99
7) Trichlorofluoromethane	3.125	101	220127	48.759	ug/l	95
8) Diethyl Ether	3.528	74	76701	52.810	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.899	101	130004	50.227	ug/l	94
10) Methyl Iodide	4.088	142	166567	48.141	ug/l	91
11) Tert butyl alcohol	4.948	59	75174	327.293	ug/l	98
12) 1,1-Dichloroethene	3.869	96	125117	49.531	ug/l	86
13) Acrolein	3.729	56	46453	248.734	ug/l	100
14) Allyl chloride	4.473	41	197336	52.187	ug/l #	91
15) Acrylonitrile	5.155	53	198725	280.860	ug/l	97
16) Acetone	3.942	43	195439	284.146	ug/l #	87
17) Carbon Disulfide	4.192	76	370102	45.338	ug/l	100
18) Methyl Acetate	4.473	43	94640	53.866	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	359456	54.360	ug/l	96
20) Methylene Chloride	4.710	84	155729	51.859	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	144201	48.888	ug/l	88
22) Diisopropyl ether	6.119	45	432741	52.181	ug/l #	93
23) Vinyl Acetate	6.058	43	1363435	271.416	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	258456	51.178	ug/l	98
25) 2-Butanone	6.978	43	274007	277.092	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	242005	50.484	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	169244	51.702	ug/l	90
28) Bromochloromethane	7.332	49	105471	55.803	ug/l	86
29) Tetrahydrofuran	7.344	42	163388	280.973	ug/l #	86
30) Chloroform	7.502	83	265935	51.025	ug/l	99
31) Cyclohexane	7.783	56	224810	46.376	ug/l	94
32) 1,1,1-Trichloroethane	7.698	97	235503	50.160	ug/l	96
36) 1,1-Dichloropropene	7.917	75	202697	49.540	ug/l	98
37) Ethyl Acetate	7.070	43	112242	55.903	ug/l #	94
38) Carbon Tetrachloride	7.899	117	215661	50.606	ug/l	95
39) Methylcyclohexane	9.185	83	243591	48.469	ug/l	89
40) Benzene	8.161	78	591751	50.207	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	51421m	44.049	ug/l	
42) 1,2-Dichloroethane	8.234	62	169219	50.784	ug/l	92
43) Isopropyl Acetate	8.271	43	198639	54.662	ug/l #	90
44) Trichloroethene	8.941	130	159717	50.048	ug/l	100
45) 1,2-Dichloropropane	9.216	63	148043	52.103	ug/l	98
46) Dibromomethane	9.301	93	84985	52.291	ug/l	96
47) Bromodichloromethane	9.496	83	205997	52.521	ug/l	99
48) Methyl methacrylate	9.289	41	92253	54.050	ug/l #	82
49) 1,4-Dioxane	9.295	88	23482	1173.722	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	563229	283.293	ug/l	89
52) Toluene	10.246	92	376417	50.181	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	213220	52.508	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	243022	52.261	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	120549	52.862	ug/l	99
56) Ethyl methacrylate	10.508	69	165672	56.542	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	206918	53.368	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	419034	275.227	ug/l	97
59) 2-Hexanone	10.831	43	399286	289.973	ug/l	86
60) Dibromochloromethane	10.984	129	145828	53.334	ug/l	99
61) 1,2-Dibromoethane	11.087	107	116234	53.456	ug/l	99
64) Tetrachloroethene	10.721	164	152958	50.696	ug/l	96
65) Chlorobenzene	11.514	112	399331	50.676	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	150406	52.219	ug/l	97
67) Ethyl Benzene	11.593	91	724767	51.106	ug/l	98
68) m/p-Xylenes	11.703	106	558351	100.602	ug/l	95
69) o-Xylene	12.026	106	263889	50.855	ug/l	96
70) Styrene	12.044	104	448763	51.315	ug/l	96
71) Bromoform	12.209	173	92253	53.808	ug/l #	99
73) Isopropylbenzene	12.331	105	702840	51.175	ug/l	99
74) N-amyl acetate	12.142	43	176405	55.887	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	138203	53.860	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	109250m	57.747	ug/l	
77) Bromobenzene	12.605	156	162007	51.421	ug/l	98
78) n-propylbenzene	12.672	91	850680	50.858	ug/l	99
79) 2-Chlorotoluene	12.758	91	475020	50.761	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	586196	50.464	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	51283	56.624	ug/l #	84
82) 4-Chlorotoluene	12.855	91	491405	50.219	ug/l	100
83) tert-Butylbenzene	13.075	119	503284	50.821	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	584304	51.162	ug/l	99
85) sec-Butylbenzene	13.251	105	755336	50.670	ug/l	100
86) p-Isopropyltoluene	13.367	119	634070	50.698	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	318183	49.757	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	316114	49.923	ug/l	99
89) n-Butylbenzene	13.696	91	582834	50.641	ug/l	99
90) Hexachloroethane	13.959	117	119608	49.998	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	282507	50.686	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	22719	55.062	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	164428	50.278	ug/l	99
94) Hexachlorobutadiene	15.111	225	95203	47.214	ug/l	99
95) Naphthalene	15.233	128	359815	57.728	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	141031	50.588	ug/l	99

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

