

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY093022\
 Data File : VY010742.D
 Acq On : 30 Sep 2022 11:17
 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 10/03/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Sep 30 12:00:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	239909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	383504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	343044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	180041	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.136	65	121031	52.744	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.480%	
35) Dibromofluoromethane	7.710	113	117442	47.984	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.960%	
50) Toluene-d8	10.179	98	452356	50.008	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.020%	
62) 4-Bromofluorobenzene	12.477	95	156370	46.385	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.760%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.900	85	49437	44.333	ug/l	98
3) Chloromethane	2.113	50	75764	45.973	ug/l	94
4) Vinyl Chloride	2.247	62	100767	47.031	ug/l	97
5) Bromomethane	2.644	94	71195	49.441	ug/l	96
6) Chloroethane	2.790	64	75488	44.667	ug/l	100
7) Trichlorofluoromethane	3.119	101	150132	47.625	ug/l	96
8) Diethyl Ether	3.528	74	52773	48.825	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.893	101	95344	50.255	ug/l	96
10) Methyl Iodide	4.088	142	101393	46.262	ug/l	91
11) Tert butyl alcohol	4.948	59	54981	268.590	ug/l	98
12) 1,1-Dichloroethene	3.869	96	78104	46.104	ug/l	88
13) Acrolein	3.723	56	21604	202.389	ug/l	97
14) Allyl chloride	4.472	41	129689	50.778	ug/l #	94
15) Acrylonitrile	5.155	53	148100	263.999	ug/l	97
16) Acetone	3.942	43	142069	303.603	ug/l #	89
17) Carbon Disulfide	4.192	76	134842	39.952	ug/l	99
18) Methyl Acetate	4.472	43	66037	49.880	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	280074	53.028	ug/l	97
20) Methylene Chloride	4.704	84	110856	42.773	ug/l	84
21) trans-1,2-Dichloroethene	5.216	96	88221	46.277	ug/l	88
22) Diisopropyl ether	6.112	45	339531	56.317	ug/l #	94
23) Vinyl Acetate	6.051	43	997330	280.027	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	195540	54.040	ug/l	99
25) 2-Butanone	6.978	43	198298	270.923	ug/l #	86
26) 2,2-Dichloropropane	6.972	77	190610	54.780	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	124247	52.313	ug/l	90
28) Bromochloromethane	7.326	49	94659	55.175	ug/l	86
29) Tetrahydrofuran	7.344	42	112694	250.680	ug/l #	85
30) Chloroform	7.502	83	215045	54.932	ug/l	99
31) Cyclohexane	7.783	56	126758	49.114	ug/l	90
32) 1,1,1-Trichloroethane	7.698	97	184612	52.987	ug/l	97
36) 1,1-Dichloropropene	7.911	75	134077	49.165	ug/l	98
37) Ethyl Acetate	7.070	43	81581	51.792	ug/l #	95
38) Carbon Tetrachloride	7.893	117	162336	51.771	ug/l	96
39) Methylcyclohexane	9.179	83	142627	44.685	ug/l	91
40) Benzene	8.155	78	412773	50.773	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	43049m	53.583	ug/l	
42) 1,2-Dichloroethane	8.234	62	130250	52.029	ug/l	92
43) Isopropyl Acetate	8.271	43	151492	52.468	ug/l #	91
44) Trichloroethene	8.935	130	113086	48.592	ug/l	96
45) 1,2-Dichloropropane	9.216	63	114004	54.207	ug/l	94
46) Dibromomethane	9.301	93	62413	50.534	ug/l	97
47) Bromodichloromethane	9.490	83	168762	55.339	ug/l	98
48) Methyl methacrylate	9.289	41	66404	52.099	ug/l #	82
49) 1,4-Dioxane	9.295	88	18143	998.982	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	438732	269.141	ug/l	90
52) Toluene	10.240	92	273607	51.436	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	164464	53.336	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	182936	53.212	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	97403	53.617	ug/l	100
56) Ethyl methacrylate	10.508	69	124426	52.870	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	158481	52.666	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	338928	254.032	ug/l	95
59) 2-Hexanone	10.831	43	306239	277.165	ug/l	88
60) Dibromochloromethane	10.983	129	121186	54.511	ug/l	99
61) 1,2-Dibromoethane	11.087	107	85861	50.485	ug/l	99
64) Tetrachloroethene	10.715	164	109806	47.918	ug/l	97
65) Chlorobenzene	11.514	112	312629	52.703	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	128907	55.780	ug/l	98
67) Ethyl Benzene	11.587	91	555401	53.319	ug/l	100
68) m/p-Xylenes	11.703	106	425558	105.460	ug/l	95
69) o-Xylene	12.026	106	210509	53.507	ug/l	93
70) Styrene	12.044	104	368104	55.078	ug/l	96
71) Bromoform	12.203	173	77133	53.750	ug/l #	99
73) Isopropylbenzene	12.331	105	583810	52.468	ug/l	100
74) N-amyl acetate	12.142	43	142105	52.666	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	114470	50.486	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	83105m	48.363	ug/l	
77) Bromobenzene	12.605	156	132699	50.123	ug/l	97
78) n-propylbenzene	12.666	91	702736	53.022	ug/l	99
79) 2-Chlorotoluene	12.758	91	397712	52.664	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	491743	52.304	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	39539	51.160	ug/l	89
82) 4-Chlorotoluene	12.855	91	416266	53.380	ug/l	99
83) tert-Butylbenzene	13.075	119	448817	53.378	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	495359	53.036	ug/l	99
85) sec-Butylbenzene	13.251	105	669212	54.344	ug/l	100
86) p-Isopropyltoluene	13.367	119	560864	54.502	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	281398	52.367	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	275985	51.893	ug/l	99
89) n-Butylbenzene	13.696	91	521175	55.170	ug/l	99
90) Hexachloroethane	13.959	117	105888	53.592	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	254301	53.126	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18719	49.474	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	151083	51.740	ug/l	99
94) Hexachlorobutadiene	15.111	225	91018	51.284	ug/l	98
95) Naphthalene	15.233	128	294558	50.063	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	130169	51.196	ug/l	98

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

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