

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
 Data File : VY010589.D
 Acq On : 20 Sep 2022 20:40
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/21/2022
 Supervised By :Mahesh Dadoda 09/21/2022

Quant Time: Sep 21 01:22:50 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	222515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	360785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	336238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	172381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	121392	57.037	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.080%			
35) Dibromofluoromethane	7.710	113	113438	49.267	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.540%			
50) Toluene-d8	10.179	98	443882	52.027	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.060%			
62) 4-Bromofluorobenzene	12.477	95	153375	48.483	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	45778	44.249	ug/l	100
3) Chloromethane	2.107	50	76233	50.292	ug/l	99
4) Vinyl Chloride	2.241	62	94670	47.686	ug/l	98
5) Bromomethane	2.643	94	67256	50.456	ug/l	99
6) Chloroethane	2.784	64	71782	45.794	ug/l	97
7) Trichlorofluoromethane	3.119	101	131485	44.971	ug/l	94
8) Diethyl Ether	3.521	74	50058	49.934	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.887	101	80733	45.880	ug/l	96
10) Methyl Iodide	4.082	142	88772	43.670	ug/l	91
11) Tert butyl alcohol	4.948	59	52047	274.373	ug/l	98
12) 1,1-Dichloroethene	3.863	96	69823	44.438	ug/l	80
13) Acrolein	3.716	56	20385	205.897	ug/l	98
14) Allyl chloride	4.472	41	111731	47.166	ug/l #	94
15) Acrylonitrile	5.155	53	140333	269.709	ug/l	98
16) Acetone	3.942	43	105122	242.207	ug/l #	86
17) Carbon Disulfide	4.186	76	141325	45.831	ug/l	99
18) Methyl Acetate	4.472	43	65142	53.187	ug/l #	89
19) Methyl tert-butyl Ether	5.210	73	252281	51.499	ug/l	96
20) Methylene Chloride	4.710	84	118882	51.882	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	80793	45.693	ug/l	87
22) Diisopropyl ether	6.112	45	294893	52.737	ug/l #	92
23) Vinyl Acetate	6.051	43	905727	274.186	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	169075	50.378	ug/l	99
25) 2-Butanone	6.978	43	174092	256.445	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	145553	45.101	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	109882	49.882	ug/l	87
28) Bromochloromethane	7.325	49	90789	56.883	ug/l #	82
29) Tetrahydrofuran	7.338	42	110870	265.901	ug/l #	84
30) Chloroform	7.502	83	187391	51.610	ug/l	99
31) Cyclohexane	7.777	56	113826	47.427	ug/l	90
32) 1,1,1-Trichloroethane	7.697	97	157840	48.844	ug/l	96
36) 1,1-Dichloropropene	7.911	75	117244	45.700	ug/l	97
37) Ethyl Acetate	7.069	43	79203	53.449	ug/l	95
38) Carbon Tetrachloride	7.892	117	137990	46.778	ug/l	97
39) Methylcyclohexane	9.179	83	129006	42.963	ug/l	91
40) Benzene	8.155	78	365831	47.832	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	38819m	51.360	ug/l	
42) 1,2-Dichloroethane	8.228	62	119417	50.705	ug/l	92
43) Isopropyl Acetate	8.270	43	140182	51.608	ug/l #	91
44) Trichloroethene	8.935	130	102257	46.706	ug/l	98
45) 1,2-Dichloropropane	9.209	63	100712	50.902	ug/l	94
46) Dibromomethane	9.301	93	59546	51.249	ug/l	97
47) Bromodichloromethane	9.490	83	148340	51.706	ug/l	96
48) Methyl methacrylate	9.289	41	62778	52.356	ug/l #	82
49) 1,4-Dioxane	9.295	88	17458	1021.796	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	410352	267.583	ug/l	89
52) Toluene	10.240	92	240620	48.083	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	145584	50.186	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	161825	50.036	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	89943	52.628	ug/l	97
56) Ethyl methacrylate	10.508	69	116265	52.513	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	145523	51.405	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	321670	256.098	ug/l	94
59) 2-Hexanone	10.831	43	280070	269.443	ug/l	87
60) Dibromochloromethane	10.983	129	110150	52.667	ug/l	99
61) 1,2-Dibromoethane	11.087	107	81142	50.714	ug/l	99
64) Tetrachloroethene	10.715	164	102797	45.767	ug/l	99
65) Chlorobenzene	11.514	112	278668	47.929	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	112784	49.791	ug/l	98
67) Ethyl Benzene	11.587	91	480459	47.058	ug/l	99
68) m/p-Xylenes	11.697	106	375092	94.835	ug/l	93
69) o-Xylene	12.026	106	183717	47.643	ug/l	93
70) Styrene	12.044	104	321428	49.067	ug/l	96
71) Bromoform	12.203	173	71815	51.058	ug/l #	98
73) Isopropylbenzene	12.325	105	488961	45.897	ug/l	99
74) N-amyl acetate	12.142	43	128818	49.863	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	106366	48.996	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	77707m	47.231	ug/l	
77) Bromobenzene	12.605	156	119790	47.258	ug/l	95
78) n-propylbenzene	12.666	91	591274	46.595	ug/l	98
79) 2-Chlorotoluene	12.751	91	335405	46.387	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	420296	46.691	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	33558	45.351	ug/l	91
82) 4-Chlorotoluene	12.855	91	351817	47.120	ug/l	98
83) tert-Butylbenzene	13.074	119	380553	47.271	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	423218	47.325	ug/l	99
85) sec-Butylbenzene	13.251	105	551125	46.744	ug/l	99
86) p-Isopropyltoluene	13.367	119	464510	47.145	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	241271	46.895	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	239744	47.082	ug/l	99
89) n-Butylbenzene	13.696	91	426857	47.193	ug/l	99
90) Hexachloroethane	13.958	117	91651	48.448	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	223098	48.678	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17810	49.164	ug/l	79
93) 1,2,4-Trichlorobenzene	15.001	180	138893	49.679	ug/l	99
94) Hexachlorobutadiene	15.111	225	80048	47.107	ug/l	99
95) Naphthalene	15.233	128	296395	52.614	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	121661	49.976	ug/l	99

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

