

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010292.D
 Acq On : 02 Sep 2022 20:24
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/06/2022
 Supervised By :Mahesh Dadoda 09/06/2022

Quant Time: Sep 02 22:55:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:41:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	333391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	541520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	490185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	242002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	179063	52.380	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.760%			
35) Dibromofluoromethane	7.710	113	168655	46.784	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.560%			
50) Toluene-d8	10.179	98	643866	53.346	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.700%			
62) 4-Bromofluorobenzene	12.477	95	232296	47.777	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	114558	43.044	ug/l	100
3) Chloromethane	2.107	50	175913	48.410	ug/l	98
4) Vinyl Chloride	2.241	62	196864	49.723	ug/l	99
5) Bromomethane	2.644	94	126116	57.645	ug/l	98
6) Chloroethane	2.784	64	123187	50.865	ug/l	99
7) Trichlorofluoromethane	3.119	101	266132	47.955	ug/l	94
8) Diethyl Ether	3.521	74	97538	49.186	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	163090	47.583	ug/l	94
10) Methyl Iodide	4.082	142	201158	48.784	ug/l	89
11) Tert butyl alcohol	4.948	59	105825	258.755	ug/l	96
12) 1,1-Dichloroethene	3.863	96	154502	46.553	ug/l	90
13) Acrolein	3.723	56	111351	257.194	ug/l	98
14) Allyl chloride	4.466	41	272129	46.586	ug/l	93
15) Acrylonitrile	5.155	53	260309	251.922	ug/l	98
16) Acetone	3.942	43	195826	229.145	ug/l	94
17) Carbon Disulfide	4.186	76	453048	44.816	ug/l	99
18) Methyl Acetate	4.466	43	130543	49.222	ug/l	92
19) Methyl tert-butyl Ether	5.210	73	484783	49.965	ug/l	98
20) Methylene Chloride	4.704	84	205931	49.934	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	176976	47.057	ug/l	89
22) Diisopropyl ether	6.112	45	589908	49.689	ug/l	93
23) Vinyl Acetate	6.051	43	1900857	255.367	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	330051	48.259	ug/l	98
25) 2-Butanone	6.978	43	349458	249.166	ug/l	91
26) 2,2-Dichloropropane	6.978	77	279845	44.925	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	210487	48.973	ug/l	91
28) Bromochloromethane	7.326	49	126575	52.767	ug/l	90
29) Tetrahydrofuran	7.338	42	230020	255.999	ug/l	90
30) Chloroform	7.502	83	334277	49.634	ug/l	99
31) Cyclohexane	7.777	56	291702	43.742	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	294932	48.060	ug/l	97
36) 1,1-Dichloropropene	7.911	75	250094	47.283	ug/l	97
37) Ethyl Acetate	7.070	43	151617	49.996	ug/l #	94
38) Carbon Tetrachloride	7.893	117	263888	48.410	ug/l	98
39) Methylcyclohexane	9.179	83	313420	45.898	ug/l	93
40) Benzene	8.155	78	737598	48.692	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	80538m	47.107	ug/l	
42) 1,2-Dichloroethane	8.234	62	221582	50.449	ug/l	93
43) Isopropyl Acetate	8.271	43	293468	50.767	ug/l #	93
44) Trichloroethene	8.935	130	202182	48.618	ug/l	97
45) 1,2-Dichloropropane	9.209	63	190049	49.243	ug/l	96
46) Dibromomethane	9.301	93	107785	50.847	ug/l	97
47) Bromodichloromethane	9.490	83	261819	50.224	ug/l	98
48) Methyl methacrylate	9.289	41	135458	50.235	ug/l	88
49) 1,4-Dioxane	9.289	88	30698	1052.467	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	786680	263.774	ug/l	92
52) Toluene	10.240	92	473047	48.817	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	277967	49.438	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	306752	48.384	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	152229	50.589	ug/l	99
56) Ethyl methacrylate	10.508	69	224400	50.476	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	265374	50.597	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	274232	229.080	ug/l	97
59) 2-Hexanone	10.831	43	544874	263.467	ug/l	90
60) Dibromochloromethane	10.983	129	186365	51.397	ug/l	100
61) 1,2-Dibromoethane	11.087	107	149168	51.296	ug/l	99
64) Tetrachloroethene	10.715	164	192892	48.252	ug/l	97
65) Chlorobenzene	11.514	112	506880	48.527	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	189889	49.508	ug/l	98
67) Ethyl Benzene	11.593	91	916869	47.934	ug/l	98
68) m/p-Xylenes	11.703	106	707601	96.840	ug/l	95
69) o-Xylene	12.026	106	343119	48.365	ug/l	95
70) Styrene	12.044	104	585145	49.514	ug/l	97
71) Bromoform	12.203	173	122126	51.509	ug/l #	99
73) Isopropylbenzene	12.325	105	904007	46.821	ug/l	100
74) N-amyl acetate	12.142	43	267948	50.303	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	181619	48.946	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	135770m	47.144	ug/l	
77) Bromobenzene	12.605	156	210565	47.941	ug/l	98
78) n-propylbenzene	12.672	91	1083702	46.757	ug/l	99
79) 2-Chlorotoluene	12.758	91	615156	46.959	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	760965	47.042	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	65530	47.468	ug/l	88
82) 4-Chlorotoluene	12.855	91	637040	47.229	ug/l	99
83) tert-Butylbenzene	13.075	119	666364	47.414	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	751863	47.330	ug/l	99
85) sec-Butylbenzene	13.251	105	979186	47.113	ug/l	99
86) p-Isopropyltoluene	13.367	119	819412	47.730	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	414461	48.598	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	409611	48.308	ug/l	99
89) n-Butylbenzene	13.696	91	762888	47.008	ug/l	98
90) Hexachloroethane	13.959	117	156731	47.562	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	372139	48.960	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	30961	47.352	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	226602	48.165	ug/l	99
94) Hexachlorobutadiene	15.111	225	129054	46.801	ug/l	97
95) Naphthalene	15.233	128	495380	50.746	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	196157	49.228	ug/l	99

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

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