

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101222\
 Data File : VY010947.D
 Acq On : 12 Oct 2022 17:11
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 6.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/13/2022
 Supervised By :Mahesh Dadoda 10/13/2022

Quant Time: Oct 13 05:36:03 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	223206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	361913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	329458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	165178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	126182	55.772	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.540%
35) Dibromofluoromethane	7.710	113	123292	51.320	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.640%
50) Toluene-d8	10.179	98	462384	56.279	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.560%
62) 4-Bromofluorobenzene	12.477	95	161169	50.228	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.460%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	77706	50.252	ug/l	98
3) Chloromethane	2.113	50	117791	45.798	ug/l	97
4) Vinyl Chloride	2.247	62	133223	43.017	ug/l	98
5) Bromomethane	2.643	94	87373	39.759	ug/l	99
6) Chloroethane	2.790	64	91191	44.183	ug/l	99
7) Trichlorofluoromethane	3.119	101	192126	50.940	ug/l	94
8) Diethyl Ether	3.521	74	69361	57.165	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	117209	54.205	ug/l	94
10) Methyl Iodide	4.082	142	145773	50.431	ug/l	92
11) Tert butyl alcohol	4.948	59	66230	345.959	ug/l	97
12) 1,1-Dichloroethene	3.869	96	111526	52.849	ug/l	88
13) Acrolein	3.722	56	31222	197.096	ug/l	96
14) Allyl chloride	4.472	41	181936	57.593	ug/l #	89
15) Acrylonitrile	5.155	53	194561	329.146	ug/l	97
16) Acetone	3.942	43	150101	261.223	ug/l #	86
17) Carbon Disulfide	4.186	76	332720	48.788	ug/l	98
18) Methyl Acetate	4.472	43	92072	62.728	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	320322	57.985	ug/l	97
20) Methylene Chloride	4.710	84	162126	66.060	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	130307	52.881	ug/l	91
22) Diisopropyl ether	6.112	45	409218	59.066	ug/l	93
23) Vinyl Acetate	6.051	43	1286015	306.439	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	238840	56.611	ug/l	98
25) 2-Butanone	6.978	43	247319	299.376	ug/l #	91
26) 2,2-Dichloropropane	6.978	77	203545	50.826	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	151021	55.224	ug/l	91
28) Bromochloromethane	7.325	49	95807	60.265	ug/l	93
29) Tetrahydrofuran	7.344	42	161015	331.442	ug/l #	89
30) Chloroform	7.502	83	244105	56.063	ug/l	100
31) Cyclohexane	7.783	56	203309	50.204	ug/l	95
32) 1,1,1-Trichloroethane	7.697	97	208838	53.244	ug/l	96
36) 1,1-Dichloropropene	7.911	75	183596	52.938	ug/l	98
37) Ethyl Acetate	7.069	43	107141	62.955	ug/l #	95
38) Carbon Tetrachloride	7.899	117	189308	52.408	ug/l	99
39) Methylcyclohexane	9.179	83	220090	51.665	ug/l	93
40) Benzene	8.155	78	538871	53.939	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	53179m	53.175	ug/l	
42) 1,2-Dichloroethane	8.234	62	153302	54.278	ug/l	91
43) Isopropyl Acetate	8.270	43	187455	60.857	ug/l #	90
44) Trichloroethene	8.935	130	143199	52.938	ug/l	97
45) 1,2-Dichloropropane	9.215	63	138922	57.682	ug/l	96
46) Dibromomethane	9.301	93	77840	56.505	ug/l	95
47) Bromodichloromethane	9.496	83	188165	56.599	ug/l	99
48) Methyl methacrylate	9.289	41	89766	62.047	ug/l #	83
49) 1,4-Dioxane	9.295	88	22460	1324.443	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	549827	326.265	ug/l	89
52) Toluene	10.240	92	341100	53.647	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	193522	56.224	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	220613	55.970	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	111966	57.924	ug/l	98
56) Ethyl methacrylate	10.508	69	154269	62.114	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	192818	58.671	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	391675	300.851	ug/l	97
59) 2-Hexanone	10.831	43	378478	324.270	ug/l	87
60) Dibromochloromethane	10.983	129	132727	57.269	ug/l	100
61) 1,2-Dibromoethane	11.087	107	106547	57.809	ug/l	99
64) Tetrachloroethene	10.715	164	139914	53.561	ug/l	96
65) Chlorobenzene	11.514	112	363565	53.288	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	133458	53.517	ug/l	97
67) Ethyl Benzene	11.593	91	660662	53.807	ug/l	98
68) m/p-Xylenes	11.697	106	508293	105.778	ug/l	95
69) o-Xylene	12.026	106	238955	53.188	ug/l	96
70) Styrene	12.044	104	414695	54.769	ug/l	96
71) Bromoform	12.203	173	85799	57.801	ug/l #	98
73) Isopropylbenzene	12.325	105	644175	53.048	ug/l	99
74) N-amyl acetate	12.142	43	170652	61.148	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	133618	58.896	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	98081m	58.635	ug/l	
77) Bromobenzene	12.605	156	148332	53.249	ug/l	99
78) n-propylbenzene	12.672	91	789225	53.365	ug/l	100
79) 2-Chlorotoluene	12.751	91	439234	53.086	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	539180	52.497	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	46966	58.651	ug/l	86
82) 4-Chlorotoluene	12.855	91	455643	52.665	ug/l	100
83) tert-Butylbenzene	13.074	119	469777	53.652	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	536593	53.140	ug/l	99
85) sec-Butylbenzene	13.251	105	703361	53.364	ug/l	99
86) p-Isopropyltoluene	13.367	119	585198	52.920	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	293876	51.977	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	290884	51.957	ug/l	98
89) n-Butylbenzene	13.696	91	553001	54.344	ug/l	99
90) Hexachloroethane	13.958	117	112547	53.210	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	265515	53.878	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	21764	59.657	ug/l	80
93) 1,2,4-Trichlorobenzene	15.001	180	160725	55.585	ug/l	99
94) Hexachlorobutadiene	15.111	225	93444	52.413	ug/l	99
95) Naphthalene	15.233	128	345498	62.693	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	142566	57.839	ug/l	99

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

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