

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092622\
 Data File : VY010684.D
 Acq On : 26 Sep 2022 20:14
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/27/2022
 Supervised By :mohammad ahmed 09/27/2022

Quant Time: Sep 27 06:29:13 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	7.789	168	214829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	352491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	325841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	113377	55.177	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	110.360%		
35) Dibromofluoromethane	7.716	113	102490	45.559	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.120%		
50) Toluene-d8	10.179	98	400631	48.301	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.600%		
62) 4-Bromofluorobenzene	12.477	95	137109	44.118	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	41703	41.347	ug/l	99
3) Chloromethane	2.113	50	68950	46.803	ug/l	98
4) Vinyl Chloride	2.247	62	83530	43.270	ug/l	97
5) Bromomethane	2.643	94	56737	43.410	ug/l	100
6) Chloroethane	2.790	64	63101	41.696	ug/l	96
7) Trichlorofluoromethane	3.119	101	121417	43.013	ug/l	96
8) Diethyl Ether	3.521	74	46986	48.546	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	77897	45.852	ug/l	94
10) Methyl Iodide	4.088	142	81295	41.422	ug/l	93
11) Tert butyl alcohol	4.948	59	58830	323.222	ug/l	98
12) 1,1-Dichloroethene	3.869	96	65019	42.861	ug/l	91
13) Acrolein	3.729	56	25865	270.594	ug/l	97
14) Allyl chloride	4.472	41	117386	51.327	ug/l #	93
15) Acrylonitrile	5.155	53	152503	303.585	ug/l	99
16) Acetone	3.942	43	115722	276.170	ug/l #	88
17) Carbon Disulfide	4.186	76	121836	40.361	ug/l	99
18) Methyl Acetate	4.472	43	72115	61.302	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	253020	53.498	ug/l	94
20) Methylene Chloride	4.710	84	104179	45.658	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	76862	45.025	ug/l	87
22) Diisopropyl ether	6.118	45	312438	57.873	ug/l	91
23) Vinyl Acetate	6.051	43	971824	304.721	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	168269	51.932	ug/l	99
25) 2-Butanone	6.978	43	199589	304.521	ug/l #	90
26) 2,2-Dichloropropane	6.978	77	148249	47.580	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	104912	49.329	ug/l	91
28) Bromochloromethane	7.325	49	88943	57.645	ug/l	93
29) Tetrahydrofuran	7.344	42	124620	309.571	ug/l #	89
30) Chloroform	7.502	83	183135	52.242	ug/l	99
31) Cyclohexane	7.777	56	111103	47.992	ug/l	98
32) 1,1,1-Trichloroethane	7.697	97	151801	48.656	ug/l	98
36) 1,1-Dichloropropene	7.917	75	112457	44.866	ug/l	99
37) Ethyl Acetate	7.069	43	84973	58.692	ug/l	95
38) Carbon Tetrachloride	7.899	117	130846	45.400	ug/l	99
39) Methylcyclohexane	9.179	83	118433	40.370	ug/l	92
40) Benzene	8.155	78	354875	47.492	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	41976m	56.844	ug/l	
42) 1,2-Dichloroethane	8.234	62	117266	50.964	ug/l	94
43) Isopropyl Acetate	8.270	43	153903	57.993	ug/l #	94
44) Trichloroethene	8.935	130	94650	44.248	ug/l	98
45) 1,2-Dichloropropane	9.209	63	101817	52.672	ug/l	98
46) Dibromomethane	9.301	93	57278	50.457	ug/l	95
47) Bromodichloromethane	9.496	83	148145	52.853	ug/l	100
48) Methyl methacrylate	9.289	41	69409	59.248	ug/l #	89
49) 1,4-Dioxane	9.295	88	18326	1097.837	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	468178	312.473	ug/l	92
52) Toluene	10.240	92	230602	47.166	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	145657	51.393	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	157767	49.929	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	88313	52.890	ug/l	99
56) Ethyl methacrylate	10.508	69	118312	54.695	ug/l	85
57) 1,3-Dichloropropane	10.788	76	145527	52.616	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	355353	286.895	ug/l	97
59) 2-Hexanone	10.831	43	319849	314.953	ug/l	91
60) Dibromochloromethane	10.983	129	106360	52.051	ug/l	100
61) 1,2-Dibromoethane	11.087	107	78800	50.409	ug/l	99
64) Tetrachloroethene	10.715	164	92090	42.308	ug/l	97
65) Chlorobenzene	11.514	112	264304	46.909	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	108096	49.244	ug/l	98
67) Ethyl Benzene	11.593	91	464435	46.940	ug/l	99
68) m/p-Xylenes	11.703	106	355557	92.765	ug/l	94
69) o-Xylene	12.026	106	175150	46.870	ug/l	95
70) Styrene	12.044	104	308720	48.631	ug/l	96
71) Bromoform	12.203	173	70028	51.376	ug/l #	99
73) Isopropylbenzene	12.331	105	471029	45.353	ug/l	100
74) N-amyl acetate	12.142	43	138730	55.083	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	109175	51.586	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	143013	89.164	ug/l #	100
77) Bromobenzene	12.605	156	112229	45.416	ug/l	99
78) n-propylbenzene	12.666	91	569219	46.012	ug/l	99
79) 2-Chlorotoluene	12.757	91	325314	46.151	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	398874	45.453	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	37088	51.413	ug/l	88
82) 4-Chlorotoluene	12.855	91	338629	46.523	ug/l	99
83) tert-Butylbenzene	13.074	119	360632	45.950	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	405021	46.457	ug/l	100
85) sec-Butylbenzene	13.251	105	529404	46.058	ug/l	100
86) p-Isopropyltoluene	13.367	119	442707	46.090	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	228093	45.476	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	226741	45.675	ug/l	99
89) n-Butylbenzene	13.696	91	408845	46.367	ug/l	100
90) Hexachloroethane	13.958	117	86470	46.887	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	210119	47.028	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18838	53.341	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	119087	43.692	ug/l	98
94) Hexachlorobutadiene	15.111	225	69056	41.685	ug/l	97
95) Naphthalene	15.233	128	265948	48.426	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	107146	45.148	ug/l	99

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

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