

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052022\
 Data File : VY008913.D
 Acq On : 20 May 2022 19:02
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 20 23:00:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 22:58:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	131596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	216199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	200732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	14892	12.666	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	25.340%#		
35) Dibromofluoromethane	7.716	113	14779	11.991	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	23.980%#		
50) Toluene-d8	10.179	98	54482	11.796	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	23.600%#		
62) 4-Bromofluorobenzene	12.477	95	17728	10.094	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	20.180%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	12864	12.075	ug/l	99
3) Chloromethane	2.113	50	19986	12.319	ug/l	92
4) Vinyl Chloride	2.247	62	30271	13.145	ug/l	94
5) Bromomethane	2.644	94	27611	15.447	ug/l	99
6) Chloroethane	2.790	64	20494	12.246	ug/l	97
7) Trichlorofluoromethane	3.125	101	24420	11.527	ug/l	98
8) Diethyl Ether	3.528	74	6992	11.534	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.899	101	14188	11.149	ug/l	97
10) Methyl Iodide	4.082	142	12183	8.590	ug/l	92
11) Tert butyl alcohol	4.954	59	6596	48.417	ug/l	98
12) 1,1-Dichloroethene	3.869	96	13596	11.717	ug/l	81
13) Acrolein	3.729	56	3305	51.934	ug/l	88
14) Allyl chloride	4.485	41	19753	11.491	ug/l #	87
15) Acrylonitrile	5.155	53	18257	46.051	ug/l	95
16) Acetone	3.948	43	14093	44.872	ug/l	90
17) Carbon Disulfide	4.186	76	43972	12.474	ug/l	97
18) Methyl Acetate	4.466	43	8319	8.298	ug/l #	80
19) Methyl tert-butyl Ether	5.216	73	35840	11.314	ug/l	91
20) Methylene Chloride	4.710	84	25805	15.591	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	16407	11.505	ug/l	89
22) Diisopropyl ether	6.119	45	44700	12.098	ug/l #	92
23) Vinyl Acetate	6.058	43	139309	54.113	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	28343	11.770	ug/l	97
25) 2-Butanone	6.984	43	23296	45.043	ug/l #	90
26) 2,2-Dichloropropane	6.972	77	25244	11.118	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	18382	11.546	ug/l	87
28) Bromochloromethane	7.332	49	9475	10.744	ug/l	90
29) Tetrahydrofuran	7.344	42	15525	44.899	ug/l #	87
30) Chloroform	7.509	83	30053	11.665	ug/l	92
31) Cyclohexane	7.783	56	29070	12.761	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	27120	11.356	ug/l	98
36) 1,1-Dichloropropene	7.917	75	23396	11.130	ug/l	99
37) Ethyl Acetate	7.076	43	11036	9.033	ug/l #	95
38) Carbon Tetrachloride	7.899	117	24731	11.025	ug/l	97
39) Methylcyclohexane	9.179	83	29123	11.445	ug/l	87
40) Benzene	8.161	78	66279	11.232	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	5455	8.476	ug/l #	1
42) 1,2-Dichloroethane	8.234	62	20224	11.672	ug/l	95
43) Isopropyl Acetate	8.271	43	21031	10.163	ug/l #	87
44) Trichloroethene	8.935	130	17562	11.003	ug/l	96
45) 1,2-Dichloropropane	9.216	63	16261	11.555	ug/l	100
46) Dibromomethane	9.301	93	9368	10.170	ug/l	95
47) Bromodichloromethane	9.496	83	22796	11.150	ug/l	97
48) Methyl methacrylate	9.295	41	9067	9.897	ug/l #	80
49) 1,4-Dioxane	9.295	88	2386	177.963	ug/l #	83
51) 4-Methyl-2-Pentanone	10.069	43	53684	44.393	ug/l	90
52) Toluene	10.246	92	42946	10.635	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	23067	10.796	ug/l	95
54) cis-1,3-Dichloropropene	9.929	75	25632	11.143	ug/l	90
55) 1,1,2-Trichloroethane	10.642	97	13292	10.612	ug/l	93
56) Ethyl methacrylate	10.508	69	15034	9.757	ug/l	88
57) 1,3-Dichloropropane	10.788	76	21981	10.654	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	34247	45.313	ug/l	94
59) 2-Hexanone	10.831	43	35996	42.049	ug/l	93
60) Dibromochloromethane	10.984	129	14874	9.828	ug/l	98
61) 1,2-Dibromoethane	11.087	107	12307	9.835	ug/l	94
64) Tetrachloroethene	10.721	164	15487	11.596	ug/l	96
65) Chlorobenzene	11.514	112	46225	10.992	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	16036	10.391	ug/l	96
67) Ethyl Benzene	11.593	91	79889	10.571	ug/l	98
68) m/p-Xylenes	11.703	106	64380	21.255	ug/l	92
69) o-Xylene	12.026	106	28966	10.359	ug/l	93
70) Styrene	12.044	104	47990	10.058	ug/l	95
71) Bromoform	12.209	173	9302	8.884	ug/l #	98
73) Isopropylbenzene	12.331	105	77627	10.804	ug/l	99
74) N-amyl acetate	12.142	43	17767	10.422	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	15964	10.129	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	11782m	9.903	ug/l	
77) Bromobenzene	12.605	156	18042	10.843	ug/l	95
78) n-propylbenzene	12.672	91	99446	12.075	ug/l	100
79) 2-Chlorotoluene	12.758	91	53569	11.195	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	65772	11.272	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	5332	9.868	ug/l	86
82) 4-Chlorotoluene	12.855	91	55138	10.871	ug/l	96
83) tert-Butylbenzene	13.075	119	56346	10.778	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	63149	10.913	ug/l	96
85) sec-Butylbenzene	13.251	105	88598	10.874	ug/l	100
86) p-Isopropyltoluene	13.367	119	72712	10.922	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	37362	10.656	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	38618	11.144	ug/l	97
89) n-Butylbenzene	13.696	91	68816	10.972	ug/l	99
90) Hexachloroethane	13.959	117	14193	11.298	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	32384	10.592	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2507	9.433	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	18299	10.969	ug/l	100
94) Hexachlorobutadiene	15.111	225	10950	11.485	ug/l	98
95) Naphthalene	15.239	128	32597	8.883	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	15083	10.322	ug/l	98

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

