

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100322\
 Data File : VY010760.D
 Acq On : 03 Oct 2022 12:11
 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 :Krupa Patel 10/04/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Oct 04 07:05:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:03:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	255034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	410298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	360685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	23720	9.176	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.360%#		
35) Dibromofluoromethane	7.716	113	30866	11.333	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	22.660%#		
50) Toluene-d8	10.179	98	74474	7.996	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	16.000%#		
62) 4-Bromofluorobenzene	12.483	95	49733	12.593	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	25.180%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18354	10.388	ug/l	99
3) Chloromethane	2.113	50	30215	10.282	ug/l	94
4) Vinyl Chloride	2.247	62	36910	10.431	ug/l	99
5) Bromomethane	2.650	94	26018	10.362	ug/l	99
6) Chloroethane	2.790	64	24114	10.225	ug/l	98
7) Trichlorofluoromethane	3.125	101	44178	10.252	ug/l	94
8) Diethyl Ether	3.528	74	13298	9.592	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.899	101	25226	10.210	ug/l	95
10) Methyl Iodide	4.095	142	31868	9.649	ug/l	92
11) Tert butyl alcohol	4.936	59	19387	53.689	ug/l #	87
12) 1,1-Dichloroethene	3.869	96	24059	9.978	ug/l	88
13) Acrolein	3.729	56	10741	53.989	ug/l	99
14) Allyl chloride	4.479	41	34971	9.689	ug/l #	94
15) Acrylonitrile	5.155	53	31589	46.771	ug/l	98
16) Acetone	3.948	43	29217	44.501	ug/l #	86
17) Carbon Disulfide	4.192	76	78327	10.052	ug/l	99
18) Methyl Acetate	4.479	43	15747	9.371	ug/l #	87
19) Methyl tert-butyl Ether	5.222	73	57979	9.186	ug/l	94
20) Methylene Chloride	4.716	84	43241	12.505	ug/l #	84
21) trans-1,2-Dichloroethene	5.222	96	27739	9.852	ug/l	88
22) Diisopropyl ether	6.119	45	74438	9.403	ug/l #	95
23) Vinyl Acetate	6.058	43	214893	44.816	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	47784	9.912	ug/l	97
25) 2-Butanone	6.984	43	41119	43.562	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	45055	9.846	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	30088	9.629	ug/l	93
28) Bromochloromethane	7.332	49	9774	6.378	ug/l	86
29) Tetrahydrofuran	7.344	42	24622	44.358	ug/l #	86
30) Chloroform	7.502	83	49298	9.909	ug/l	97
31) Cyclohexane	7.783	56	46073	9.957	ug/l #	82
32) 1,1,1-Trichloroethane	7.704	97	44396	9.906	ug/l	97
36) 1,1-Dichloropropene	7.917	75	38811	9.871	ug/l	97
37) Ethyl Acetate	7.070	43	17551	9.097	ug/l #	92
38) Carbon Tetrachloride	7.899	117	40592	9.912	ug/l	96
39) Methylcyclohexane	9.185	83	45459	9.413	ug/l	90
40) Benzene	8.161	78	110022	9.714	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	7294	7.422	ug/l #	1
42) 1,2-Dichloroethane	8.234	62	31158	9.731	ug/l	93
43) Isopropyl Acetate	8.271	43	30942	8.861	ug/l #	87
44) Trichloroethene	8.941	130	29721	9.692	ug/l	100
45) 1,2-Dichloropropane	9.216	63	26383	9.663	ug/l	99
46) Dibromomethane	9.301	93	14926	9.557	ug/l	95
47) Bromodichloromethane	9.496	83	37030	9.825	ug/l	97
48) Methyl methacrylate	9.289	41	14204	8.660	ug/l #	86
49) 1,4-Dioxane	9.295	88	3124	162.495	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	82647	43.259	ug/l	91
52) Toluene	10.246	92	68650	9.524	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	36188	9.274	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	42039	9.408	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	21071	9.615	ug/l	96
56) Ethyl methacrylate	10.508	69	24195	8.593	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	35513	9.532	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	43771	35.144	ug/l	95
59) 2-Hexanone	10.831	43	54318	41.050	ug/l	88
60) Dibromochloromethane	10.984	129	24496	9.323	ug/l	99
61) 1,2-Dibromoethane	11.087	107	19664	9.411	ug/l	99
64) Tetrachloroethene	10.721	164	28343	9.911	ug/l	98
65) Chlorobenzene	11.514	112	73564	9.849	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	26549	9.724	ug/l	97
67) Ethyl Benzene	11.593	91	127458	9.482	ug/l	99
68) m/p-Xylenes	11.703	106	100750	19.151	ug/l	94
69) o-Xylene	12.026	106	46624	9.479	ug/l	92
70) Styrene	12.044	104	76654	9.247	ug/l	97
71) Bromoform	12.209	173	15106	9.295	ug/l #	100
73) Isopropylbenzene	12.331	105	122804	9.587	ug/l	99
74) N-amyl acetate	12.142	43	25254	8.578	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	22690	9.481	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	17164m	9.802	ug/l	
77) Bromobenzene	12.605	156	28442	9.679	ug/l	95
78) n-propylbenzene	12.672	91	150766	9.665	ug/l	99
79) 2-Chlorotoluene	12.758	91	84774	9.713	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	105768	9.763	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	7451	8.821	ug/l	93
82) 4-Chlorotoluene	12.855	91	88469	9.694	ug/l	98
83) tert-Butylbenzene	13.075	119	87926	9.519	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	102583	9.631	ug/l	98
85) sec-Butylbenzene	13.251	105	134506	9.674	ug/l	99
86) p-Isopropyltoluene	13.367	119	111064	9.521	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	59476	9.972	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	58513	9.908	ug/l	97
89) n-Butylbenzene	13.697	91	101683	9.473	ug/l	99
90) Hexachloroethane	13.959	117	22449	10.061	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	51072	9.824	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3614	9.391	ug/l	80
93) 1,2,4-Trichlorobenzene	15.007	180	28489	9.340	ug/l	96
94) Hexachlorobutadiene	15.111	225	19278	10.251	ug/l	98
95) Naphthalene	15.233	128	50258	8.645	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	24799	9.538	ug/l	99

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

