

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081222\
 Data File : VY009984.D
 Acq On : 12 Aug 2022 14:11
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/14/2022
 Supervised By :Mahesh Dadoda 08/16/2022

Quant Time: Aug 13 02:20:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081222S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 13 02:18:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	91383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	158983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	154958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	73766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	9425	10.099	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.200%#		
35) Dibromofluoromethane	7.710	113	9431	9.669	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.340%#		
50) Toluene-d8	10.173	98	37267	9.912	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	19.820%#		
62) 4-Bromofluorobenzene	12.477	95	14023	10.471	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	20.940%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	8320	10.251	ug/l	96
3) Chloromethane	2.107	50	5801	9.442	ug/l	99
4) Vinyl Chloride	2.241	62	6442	9.846	ug/l	99
5) Bromomethane	2.637	94	5852	11.379	ug/l	90
6) Chloroethane	2.778	64	4758	11.112	ug/l	89
7) Trichlorofluoromethane	3.107	101	16512	10.555	ug/l	98
8) Diethyl Ether	3.521	74	6273	10.333	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.887	101	10618	10.413	ug/l	95
10) Methyl Iodide	4.076	142	11608	9.647	ug/l	93
11) Tert butyl alcohol	4.948	59	4702	46.725	ug/l	97
12) 1,1-Dichloroethene	3.863	96	10240	10.407	ug/l	89
13) Acrolein	3.723	56	6537	54.600	ug/l	97
14) Allyl chloride	4.460	41	14140	10.399	ug/l	94
15) Acrylonitrile	5.149	53	15654	54.537	ug/l	95
16) Acetone	3.936	43	11646	51.604	ug/l #	87
17) Carbon Disulfide	4.180	76	34891	10.811	ug/l	98
18) Methyl Acetate	4.460	43	7515	10.464	ug/l	99
19) Methyl tert-butyl Ether	5.210	73	23013	9.553	ug/l	99
20) Methylene Chloride	4.704	84	15012	10.367	ug/l #	88
21) trans-1,2-Dichloroethene	5.204	96	11386	10.419	ug/l	92
22) Diisopropyl ether	6.106	45	30339	10.920	ug/l	91
23) Vinyl Acetate	6.051	43	90879	52.714	ug/l	99
24) 1,1-Dichloroethane	6.009	63	18586	10.567	ug/l	98
25) 2-Butanone	6.978	43	18280	52.891	ug/l	97
26) 2,2-Dichloropropane	6.978	77	15991	10.206	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	11801	10.029	ug/l	97
28) Bromochloromethane	7.326	49	7638	10.846	ug/l	94
29) Tetrahydrofuran	7.338	42	11666	52.687	ug/l	94
30) Chloroform	7.496	83	19209	10.394	ug/l	95
31) Cyclohexane	7.771	56	17093	10.285	ug/l #	83
32) 1,1,1-Trichloroethane	7.691	97	15396	9.800	ug/l	98
36) 1,1-Dichloropropene	7.905	75	14086	9.644	ug/l	97
37) Ethyl Acetate	7.070	43	8627	11.074	ug/l	98
38) Carbon Tetrachloride	7.893	117	14075	9.592	ug/l	97
39) Methylcyclohexane	9.179	83	17103	9.728	ug/l	96
40) Benzene	8.149	78	45804	10.318	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	3880m	4.200	ug/l	
42) 1,2-Dichloroethane	8.228	62	11665	10.172	ug/l	96
43) Isopropyl Acetate	8.264	43	13885	10.202	ug/l	95
44) Trichloroethene	8.935	130	11791	9.886	ug/l	94
45) 1,2-Dichloropropane	9.209	63	11155	10.585	ug/l	94
46) Dibromomethane	9.301	93	6549	10.274	ug/l	96
47) Bromodichloromethane	9.490	83	14222	10.028	ug/l	98
48) Methyl methacrylate	9.289	41	5665	9.518	ug/l	90
49) 1,4-Dioxane	9.289	88	1297	174.463	ug/l	94
51) 4-Methyl-2-Pentanone	10.063	43	38912	52.489	ug/l	98
52) Toluene	10.240	92	26868	10.093	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	14038	9.613	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	16579	9.844	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	9457	10.380	ug/l	99
56) Ethyl methacrylate	10.502	69	10355	9.156	ug/l	94
57) 1,3-Dichloropropane	10.788	76	15059	10.157	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	26861	54.965	ug/l	100
59) 2-Hexanone	10.831	43	25719	49.880	ug/l	98
60) Dibromochloromethane	10.977	129	10044	9.567	ug/l	100
61) 1,2-Dibromoethane	11.087	107	8566	9.815	ug/l	99
64) Tetrachloroethene	10.715	164	10254	9.258	ug/l	96
65) Chlorobenzene	11.514	112	32074	10.145	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	11506	10.131	ug/l	96
67) Ethyl Benzene	11.587	91	51975	9.754	ug/l	97
68) m/p-Xylenes	11.697	106	40979	20.230	ug/l	97
69) o-Xylene	12.026	106	18258	9.517	ug/l	94
70) Styrene	12.038	104	31822	9.726	ug/l	99
71) Bromoform	12.203	173	6912	10.183	ug/l #	97
73) Isopropylbenzene	12.325	105	47553	9.597	ug/l	100
74) N-amyl acetate	12.142	43	12325	9.513	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	11923	10.433	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	9172m	6.721	ug/l	
77) Bromobenzene	12.605	156	11537	9.412	ug/l	88
78) n-propylbenzene	12.666	91	59702	9.311	ug/l	98
79) 2-Chlorotoluene	12.751	91	34575	9.299	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	38185	9.065	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	4095	10.187	ug/l	90
82) 4-Chlorotoluene	12.849	91	36822	9.663	ug/l	96
83) tert-Butylbenzene	13.075	119	34726	9.555	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	40931	9.859	ug/l	99
85) sec-Butylbenzene	13.251	105	54992	9.958	ug/l	99
86) p-Isopropyltoluene	13.367	119	42296	9.578	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	25438	10.441	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	24730	9.962	ug/l	96
89) n-Butylbenzene	13.696	91	37944	8.927	ug/l	97
90) Hexachloroethane	13.959	117	9029	9.575	ug/l	87
91) 1,2-Dichlorobenzene	13.733	146	20793	9.490	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1879	10.583	ug/l	97
93) 1,2,4-Trichlorobenzene	15.001	180	12149	9.633	ug/l	98
94) Hexachlorobutadiene	15.111	225	7419	10.567	ug/l	96
95) Naphthalene	15.233	128	23631	8.896	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	10977	9.806	ug/l	98

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

