

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081222\
 Data File : VY009985.D
 Acq On : 12 Aug 2022 14:34
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Aug 13 02:20:46 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	106537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	176997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	160431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	78588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	21530	19.788	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.580%#		
35) Dibromofluoromethane	7.704	113	21902	20.169	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.340%#		
50) Toluene-d8	10.173	98	84907	20.285	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	40.580%#		
62) 4-Bromofluorobenzene	12.477	95	29548	19.819	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	22087	23.343	ug/l	99
3) Chloromethane	2.107	50	14628	20.422	ug/l	100
4) Vinyl Chloride	2.241	62	15191	19.916	ug/l	99
5) Bromomethane	2.625	94	10890	18.164	ug/l	96
6) Chloroethane	2.778	64	9306	18.642	ug/l	98
7) Trichlorofluoromethane	3.107	101	35917	19.693	ug/l	99
8) Diethyl Ether	3.515	74	13675	19.322	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.887	101	23046	19.387	ug/l	98
10) Methyl Iodide	4.076	142	27736	19.772	ug/l	97
11) Tert butyl alcohol	4.948	59	11834	100.870	ug/l	99
12) 1,1-Dichloroethene	3.857	96	22616	19.716	ug/l	91
13) Acrolein	3.717	56	13500	96.719	ug/l	93
14) Allyl chloride	4.466	41	29170	18.401	ug/l #	92
15) Acrylonitrile	5.143	53	31294	93.517	ug/l	99
16) Acetone	3.936	43	23097	87.786	ug/l #	77
17) Carbon Disulfide	4.174	76	74648	19.839	ug/l #	95
18) Methyl Acetate	4.466	43	14036	16.764	ug/l #	88
19) Methyl tert-butyl Ether	5.210	73	54603	19.442	ug/l	93
20) Methylene Chloride	4.698	84	33044	19.573	ug/l #	89
21) trans-1,2-Dichloroethene	5.204	96	24857	19.511	ug/l	96
22) Diisopropyl ether	6.106	45	61765	19.069	ug/l	97
23) Vinyl Acetate	6.045	43	191639	95.349	ug/l	97
24) 1,1-Dichloroethane	6.003	63	39243	19.138	ug/l	98
25) 2-Butanone	6.972	43	36495	90.573	ug/l	96
26) 2,2-Dichloropropane	6.972	77	35393	19.375	ug/l	99
27) cis-1,2-Dichloroethene	6.972	96	27143	19.786	ug/l	94
28) Bromochloromethane	7.326	49	14911	18.162	ug/l	84
29) Tetrahydrofuran	7.338	42	23862	92.438	ug/l	88
30) Chloroform	7.496	83	41997	19.493	ug/l	96
31) Cyclohexane	7.771	56	36966	19.080	ug/l #	87
32) 1,1,1-Trichloroethane	7.691	97	36286	19.811	ug/l	98
36) 1,1-Dichloropropene	7.911	75	32901	20.234	ug/l	99
37) Ethyl Acetate	7.070	43	16521	19.048	ug/l #	93
38) Carbon Tetrachloride	7.887	117	33795	20.687	ug/l	99
39) Methylcyclohexane	9.173	83	38536	19.687	ug/l	96
40) Benzene	8.149	78	98626	19.956	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	8478m	8.243	ug/l	
42) 1,2-Dichloroethane	8.228	62	25091	19.653	ug/l	98
43) Isopropyl Acetate	8.265	43	28247	18.642	ug/l	92
44) Trichloroethene	8.935	130	26162	19.703	ug/l	93
45) 1,2-Dichloropropane	9.209	63	23176	19.753	ug/l	94
46) Dibromomethane	9.295	93	14396	20.286	ug/l	99
47) Bromodichloromethane	9.490	83	31303	19.826	ug/l	99
48) Methyl methacrylate	9.289	41	12629	19.059	ug/l	89
49) 1,4-Dioxane	9.289	88	3258	393.639	ug/l	95
51) 4-Methyl-2-Pentanone	10.063	43	78058	94.577	ug/l	92
52) Toluene	10.240	92	59371	20.032	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	31654	19.471	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	37190	19.835	ug/l	93
55) 1,1,2-Trichloroethane	10.636	97	20701	20.409	ug/l	98
56) Ethyl methacrylate	10.508	69	24417	19.392	ug/l	90
57) 1,3-Dichloropropane	10.782	76	32605	19.753	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	63252	116.259	ug/l	98
59) 2-Hexanone	10.825	43	53746	93.627	ug/l	90
60) Dibromochloromethane	10.977	129	23660	20.242	ug/l	99
61) 1,2-Dibromoethane	11.081	107	19546	20.117	ug/l	97
64) Tetrachloroethene	10.715	164	24365	21.249	ug/l	96
65) Chlorobenzene	11.514	112	65073	19.880	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	23684	20.142	ug/l	96
67) Ethyl Benzene	11.587	91	109566	19.860	ug/l	96
68) m/p-Xylenes	11.697	106	87540	41.741	ug/l	95
69) o-Xylene	12.026	106	39455	19.865	ug/l	96
70) Styrene	12.038	104	68260	20.151	ug/l	100
71) Bromoform	12.203	173	14202	20.210	ug/l #	99
73) Isopropylbenzene	12.325	105	104502	19.797	ug/l	99
74) N-amyl acetate	12.142	43	24864	18.013	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	24248	19.916	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	19371m	13.323	ug/l	
77) Bromobenzene	12.605	156	25934	19.859	ug/l	94
78) n-propylbenzene	12.666	91	133732	19.576	ug/l	98
79) 2-Chlorotoluene	12.752	91	77045	19.450	ug/l	97
80) 1,3,5-Trimethylbenzene	12.806	105	90262	20.113	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	8234	19.227	ug/l	89
82) 4-Chlorotoluene	12.849	91	81589	20.098	ug/l	96
83) tert-Butylbenzene	13.075	119	76026	19.635	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	90582	20.480	ug/l	98
85) sec-Butylbenzene	13.251	105	117267	19.931	ug/l	99
86) p-Isopropyltoluene	13.367	119	94698	20.130	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	52655	20.286	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	52636	19.902	ug/l	98
89) n-Butylbenzene	13.696	91	90647	20.018	ug/l	98
90) Hexachloroethane	13.959	117	20227	20.134	ug/l	90
91) 1,2-Dichlorobenzene	13.733	146	47256	20.244	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3749	19.819	ug/l	96
93) 1,2,4-Trichlorobenzene	15.001	180	24943	18.564	ug/l	99
94) Hexachlorobutadiene	15.111	225	14712	19.668	ug/l	98
95) Naphthalene	15.233	128	50464	17.831	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	22088	18.521	ug/l	95

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

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