

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080822\
 Data File : VY080822.D
 Acq On : 08 Aug 2022 15:50
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/09/2022
 Supervised By :Mahesh Dadoda 08/09/2022

Quant Time: Aug 08 17:36:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 08 17:35:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	62210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	107566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	100776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	47053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	7667	14.064	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	28.120%#		
35) Dibromofluoromethane	7.703	113	6721	11.618	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	23.240%#		
50) Toluene-d8	10.173	98	26165	12.620	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	25.240%#		
62) 4-Bromofluorobenzene	12.477	95	9029	10.801	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	21.600%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6301	12.106	ug/l	99
3) Chloromethane	2.107	50	6508	10.466	ug/l	91
4) Vinyl Chloride	2.241	62	6594	9.864	ug/l	99
5) Bromomethane	2.631	94	4888	11.135	ug/l	96
6) Chloroethane	2.784	64	4057	11.566	ug/l	94
7) Trichlorofluoromethane	3.107	101	10722	12.072	ug/l	95
8) Diethyl Ether	3.515	74	3838	11.648	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	6237	10.310	ug/l	96
10) Methyl Iodide	4.082	142	6304	7.986	ug/l	98
11) Tert butyl alcohol	4.936	59	3765	29.579	ug/l #	84
12) 1,1-Dichloroethene	3.850	96	5422	9.198	ug/l #	85
13) Acrolein	3.716	56	575	11.797	ug/l	83
14) Allyl chloride	4.466	41	10340	9.933	ug/l	96
15) Acrylonitrile	5.149	53	10357	56.843	ug/l	99
16) Acetone	3.936	43	9136	55.545	ug/l	95
17) Carbon Disulfide	4.180	76	15299	7.907	ug/l	97
18) Methyl Acetate	4.466	43	6130	13.239	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	15874	9.670	ug/l	93
20) Methylene Chloride	4.704	84	13971	16.660	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	6197	8.977	ug/l	88
22) Diisopropyl ether	6.106	45	22855	10.948	ug/l	93
23) Vinyl Acetate	6.045	43	68580	51.146	ug/l	97
24) 1,1-Dichloroethane	6.003	63	12499	10.596	ug/l	98
25) 2-Butanone	6.972	43	14941	59.532	ug/l #	89
26) 2,2-Dichloropropane	6.966	77	11434	10.482	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	7370	9.688	ug/l	91
28) Bromochloromethane	7.325	49	4387	9.138	ug/l #	90
29) Tetrahydrofuran	7.338	42	9258	57.475	ug/l	93
30) Chloroform	7.496	83	12775	10.725	ug/l	90
31) Cyclohexane	7.777	56	11058	9.508	ug/l #	83
32) 1,1,1-Trichloroethane	7.691	97	10286	9.834	ug/l	96
36) 1,1-Dichloropropene	7.905	75	8888	9.003	ug/l	99
37) Ethyl Acetate	7.069	43	6724	11.707	ug/l #	97
38) Carbon Tetrachloride	7.892	117	9409	9.335	ug/l	93
39) Methylcyclohexane	9.179	83	10074	8.222	ug/l	93
40) Benzene	8.148	78	28278	9.718	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	3359	10.758	ug/l #	100
42) 1,2-Dichloroethane	8.228	62	8022	9.876	ug/l	99
43) Isopropyl Acetate	8.264	43	11501	10.841	ug/l	96
44) Trichloroethene	8.929	130	7125	8.892	ug/l	93
45) 1,2-Dichloropropane	9.209	63	7569	10.544	ug/l	93
46) Dibromomethane	9.301	93	4334	10.446	ug/l	92
47) Bromodichloromethane	9.490	83	9674	10.086	ug/l	98
48) Methyl methacrylate	9.289	41	4851	10.309	ug/l	91
49) 1,4-Dioxane	9.295	88	933	170.037	ug/l #	89
51) 4-Methyl-2-Pentanone	10.063	43	31377	57.391	ug/l	96
52) Toluene	10.240	92	16872	9.368	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	9381	9.231	ug/l	92
54) cis-1,3-Dichloropropene	9.923	75	11273	9.721	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	5994	10.443	ug/l	94
56) Ethyl methacrylate	10.502	69	6935	9.075	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	10602	10.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	20183	53.185	ug/l	93
59) 2-Hexanone	10.831	43	21277	55.823	ug/l	95
60) Dibromochloromethane	10.977	129	7150	10.413	ug/l	93
61) 1,2-Dibromoethane	11.081	107	5947	10.641	ug/l	97
64) Tetrachloroethene	10.709	164	6974	8.140	ug/l	96
65) Chlorobenzene	11.514	112	19786	9.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	7300	10.145	ug/l	96
67) Ethyl Benzene	11.587	91	31745	8.874	ug/l	99
68) m/p-Xylenes	11.697	106	24874	17.818	ug/l	97
69) o-Xylene	12.026	106	11867	9.027	ug/l	99
70) Styrene	12.038	104	20078	9.178	ug/l	98
71) Bromoform	12.203	173	4482	9.993	ug/l #	99
73) Isopropylbenzene	12.325	105	31444	9.667	ug/l	99
74) N-amyl acetate	12.142	43	9758	10.759	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	7737	12.320	ug/l	96
76) 1,2,3-Trichloropropane	12.629	75	6356m	13.517	ug/l	
77) Bromobenzene	12.605	156	7893	9.962	ug/l	93
78) n-propylbenzene	12.666	91	38737	9.556	ug/l	98
79) 2-Chlorotoluene	12.751	91	21975	9.802	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	24600	8.940	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	2545	10.748	ug/l	95
82) 4-Chlorotoluene	12.849	91	22918	9.779	ug/l	100
83) tert-Butylbenzene	13.074	119	21449	8.917	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	24801	9.137	ug/l	99
85) sec-Butylbenzene	13.251	105	33730	9.421	ug/l	98
86) p-Isopropyltoluene	13.367	119	26643	9.022	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	15351	10.019	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	15621	10.096	ug/l	94
89) n-Butylbenzene	13.696	91	25730	9.231	ug/l	98
90) Hexachloroethane	13.958	117	6038	10.748	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	14258	10.332	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1291	12.049	ug/l	81
93) 1,2,4-Trichlorobenzene	15.007	180	7455	9.088	ug/l	99
94) Hexachlorobutadiene	15.111	225	4687	10.322	ug/l	97
95) Naphthalene	15.233	128	14906	8.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	6894	9.696	ug/l	97

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

