

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013261.D
 Acq On : 12 Apr 2023 11:33
 Operator : KP/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/13/2023
 Supervised By :Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 05:44:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:34:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	256805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	401305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	356338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	177083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	58503	18.956	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.920%#		
35) Dibromofluoromethane	7.716	113	49797	19.167	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.340%#		
50) Toluene-d8	10.179	98	187485	19.388	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	38.780%#		
62) 4-Bromofluorobenzene	12.477	95	61035	19.425	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	38.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	42484	18.381	ug/l	94
3) Chloromethane	2.107	50	56097	19.373	ug/l	98
4) Vinyl Chloride	2.247	62	52883	19.263	ug/l	96
5) Bromomethane	2.650	94	40281	19.134	ug/l	91
6) Chloroethane	2.790	64	36825	19.890	ug/l	95
7) Trichlorofluoromethane	3.125	101	80770	18.903	ug/l	98
8) Diethyl Ether	3.521	74	29791	19.190	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	47644	18.975	ug/l	98
10) Methyl Iodide	4.088	142	57809	18.769	ug/l	95
11) Tert butyl alcohol	4.936	59	50957	110.164	ug/l #	74
12) 1,1-Dichloroethene	3.875	96	46236	19.133	ug/l	96
13) Acrolein	3.729	56	36660	96.697	ug/l	99
14) Allyl chloride	4.478	41	89061	19.293	ug/l	94
15) Acrylonitrile	5.161	53	83049	93.095	ug/l	99
16) Acetone	3.954	43	88994	83.868	ug/l	95
17) Carbon Disulfide	4.192	76	154963	19.478	ug/l	99
18) Methyl Acetate	4.472	43	63367	18.464	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	138658	19.155	ug/l	98
20) Methylene Chloride	4.716	84	61221	19.213	ug/l	97
21) trans-1,2-Dichloroethene	5.210	96	53758	19.488	ug/l	95
22) Diisopropyl ether	6.112	45	183583	20.180	ug/l	91
23) Vinyl Acetate	6.057	43	556664	96.794	ug/l	97
24) 1,1-Dichloroethane	6.015	63	100280	19.733	ug/l	97
25) 2-Butanone	6.984	43	122131	89.891	ug/l	93
26) 2,2-Dichloropropane	6.978	77	89355	19.599	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	58191	19.400	ug/l	94
28) Bromochloromethane	7.326	49	41558	20.519	ug/l	94
29) Tetrahydrofuran	7.350	42	78370	94.972	ug/l	96
30) Chloroform	7.502	83	100778	19.597	ug/l	97
31) Cyclohexane	7.783	56	89994	19.285	ug/l #	92
32) 1,1,1-Trichloroethane	7.697	97	90534	19.460	ug/l	97
36) 1,1-Dichloropropene	7.911	75	77650	19.729	ug/l	98
37) Ethyl Acetate	7.069	43	59692	18.815	ug/l	95
38) Carbon Tetrachloride	7.899	117	84147	19.335	ug/l	98
39) Methylcyclohexane	9.179	83	86846	18.981	ug/l	90
40) Benzene	8.161	78	225469	19.793	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	22571m	16.685	ug/l	
42) 1,2-Dichloroethane	8.234	62	74665	19.332	ug/l	96
43) Isopropyl Acetate	8.270	43	95939	18.206	ug/l	99
44) Trichloroethene	8.935	130	58512	19.940	ug/l	92
45) 1,2-Dichloropropane	9.215	63	58716	19.859	ug/l	97
46) Dibromomethane	9.301	93	34284	19.267	ug/l	98
47) Bromodichloromethane	9.496	83	76945	18.915	ug/l	91
48) Methyl methacrylate	9.289	41	44421	18.352	ug/l	95
49) 1,4-Dioxane	9.307	88	8741	362.556	ug/l #	72
51) 4-Methyl-2-Pentanone	10.069	43	270036	94.158	ug/l	97
52) Toluene	10.240	92	136264	19.810	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	82738	19.421	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	89500	19.160	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	45069	19.209	ug/l	99
56) Ethyl methacrylate	10.508	69	60704	18.896	ug/l	94
57) 1,3-Dichloropropane	10.788	76	76969	19.288	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	138156	102.994	ug/l	97
59) 2-Hexanone	10.831	43	195162	93.589	ug/l	96
60) Dibromochloromethane	10.983	129	56102	19.070	ug/l	98
61) 1,2-Dibromoethane	11.087	107	44046	19.278	ug/l	99
64) Tetrachloroethene	10.721	164	48356	19.235	ug/l	97
65) Chlorobenzene	11.514	112	144721	19.415	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	54428	19.457	ug/l	99
67) Ethyl Benzene	11.593	91	257621	19.843	ug/l	100
68) m/p-Xylenes	11.703	106	198243	39.909	ug/l	97
69) o-Xylene	12.026	106	91498	19.889	ug/l	99
70) Styrene	12.044	104	153748	19.787	ug/l	97
71) Bromoform	12.203	173	37292	19.243	ug/l #	98
73) Isopropylbenzene	12.331	105	239371	19.707	ug/l	99
74) N-amyl acetate	12.142	43	83317	19.226	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	58224	19.404	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	49729m	22.460	ug/l	
77) Bromobenzene	12.605	156	59058	19.443	ug/l	99
78) n-propylbenzene	12.672	91	301321	20.086	ug/l	100
79) 2-Chlorotoluene	12.751	91	168595	19.965	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	206745	20.320	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	20450	19.235	ug/l	98
82) 4-Chlorotoluene	12.855	91	180388	20.263	ug/l	97
83) tert-Butylbenzene	13.074	119	176438	20.210	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	199183	20.115	ug/l	98
85) sec-Butylbenzene	13.251	105	262882	20.136	ug/l	98
86) p-Isopropyltoluene	13.367	119	217392	20.292	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	117158	20.009	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	117428	19.846	ug/l	96
89) n-Butylbenzene	13.696	91	204703	19.978	ug/l	97
90) Hexachloroethane	13.958	117	44852	20.079	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	107458	20.168	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9712	17.823	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	61256	19.344	ug/l	97
94) Hexachlorobutadiene	15.111	225	36219	19.315	ug/l	99
95) Naphthalene	15.233	128	124022	18.153	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	54988	19.060	ug/l	97

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

