

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013259.D
 Acq On : 12 Apr 2023 10:36
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Apr 13 05:32:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:30:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	232197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	369139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	331679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	164187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	14956	5.360	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.720%#		
35) Dibromofluoromethane	7.716	113	12649	5.293	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.580%#		
50) Toluene-d8	10.179	98	44047	4.952	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.900%#		
62) 4-Bromofluorobenzene	12.477	95	14064	4.866	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	9.740%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	11009	5.268	ug/l	92
3) Chloromethane	2.113	50	14914	5.696	ug/l	98
4) Vinyl Chloride	2.253	62	12982	5.230	ug/l	93
5) Bromomethane	2.656	94	11169	5.868	ug/l	95
6) Chloroethane	2.790	64	8986	5.368	ug/l	92
7) Trichlorofluoromethane	3.119	101	20879	5.404	ug/l	93
8) Diethyl Ether	3.528	74	7425	5.290	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.900	101	12527	5.518	ug/l	98
10) Methyl Iodide	4.082	142	12683	4.554	ug/l #	94
11) Tert butyl alcohol	4.924	59	16403	36.423	ug/l #	77
12) 1,1-Dichloroethene	3.869	96	11116	5.088	ug/l	99
13) Acrolein	3.723	56	8700	25.380	ug/l	96
14) Allyl chloride	4.473	41	21926	5.253	ug/l	96
15) Acrylonitrile	5.162	53	20645	25.595	ug/l	95
16) Acetone	3.954	43	25169	26.233	ug/l	95
17) Carbon Disulfide	4.192	76	38034	5.287	ug/l #	92
18) Methyl Acetate	4.479	43	15453	4.980	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	30483	4.657	ug/l	95
20) Methylene Chloride	4.716	84	21102	4.433	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	13371	5.361	ug/l	90
22) Diisopropyl ether	6.113	45	41984	5.104	ug/l #	88
23) Vinyl Acetate	6.058	43	123607	23.771	ug/l	95
24) 1,1-Dichloroethane	6.021	63	24274	5.283	ug/l	93
25) 2-Butanone	6.990	43	31086	25.305	ug/l	97
26) 2,2-Dichloropropane	6.978	77	22025	5.343	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	13789	5.084	ug/l	89
28) Bromochloromethane	7.332	49	8896	4.858	ug/l	86
29) Tetrahydrofuran	7.344	42	16840	22.570	ug/l	98
30) Chloroform	7.496	83	25182	5.416	ug/l	88
31) Cyclohexane	7.783	56	24274	5.753	ug/l #	74
32) 1,1,1-Trichloroethane	7.704	97	22590	5.370	ug/l	98
36) 1,1-Dichloropropene	7.917	75	18186	5.023	ug/l	100
37) Ethyl Acetate	7.076	43	13675	4.686	ug/l	97
38) Carbon Tetrachloride	7.893	117	20827	5.203	ug/l	92
39) Methylcyclohexane	9.185	83	19136	4.547	ug/l	93
40) Benzene	8.161	78	54198	5.172	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	6160	4.950	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	18541	5.219	ug/l	99
43) Isopropyl Acetate	8.271	43	23026	4.750	ug/l	98
44) Trichloroethene	8.935	130	13413	4.969	ug/l	94
45) 1,2-Dichloropropane	9.216	63	13728	5.048	ug/l	97
46) Dibromomethane	9.307	93	8598	5.253	ug/l	96
47) Bromodichloromethane	9.496	83	19729	5.272	ug/l #	95
48) Methyl methacrylate	9.289	41	10113	4.542	ug/l	97
49) 1,4-Dioxane	9.307	88	2138	96.406	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	60806	23.050	ug/l	95
52) Toluene	10.240	92	31524	4.982	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	18831	4.805	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	21561	5.018	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	11179	5.180	ug/l	95
56) Ethyl methacrylate	10.508	69	12353	4.180	ug/l	88
57) 1,3-Dichloropropane	10.789	76	18542	5.051	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	28923	23.441	ug/l	98
59) 2-Hexanone	10.831	43	42007	21.900	ug/l	93
60) Dibromochloromethane	10.984	129	14059	5.195	ug/l	95
61) 1,2-Dibromoethane	11.087	107	10331	4.916	ug/l	98
64) Tetrachloroethene	10.715	164	11653	4.980	ug/l	88
65) Chlorobenzene	11.514	112	37139	5.353	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	13285	5.102	ug/l	98
67) Ethyl Benzene	11.593	91	57306	4.742	ug/l	98
68) m/p-Xylenes	11.703	106	43042	9.309	ug/l	97
69) o-Xylene	12.032	106	19687	4.597	ug/l	97
70) Styrene	12.044	104	32628	4.511	ug/l	96
71) Bromoform	12.209	173	8757	4.855	ug/l #	99
73) Isopropylbenzene	12.331	105	51862	4.605	ug/l	98
74) N-amyl acetate	12.142	43	18500	4.604	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	14562	5.234	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	10468m	5.099	ug/l	
77) Bromobenzene	12.605	156	13710	4.868	ug/l	97
78) n-propylbenzene	12.672	91	64636	4.647	ug/l	99
79) 2-Chlorotoluene	12.758	91	37110	4.740	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	43582	4.620	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	4342	4.405	ug/l	93
82) 4-Chlorotoluene	12.855	91	40254	4.877	ug/l	97
83) tert-Butylbenzene	13.075	119	36932	4.563	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	40585	4.421	ug/l	99
85) sec-Butylbenzene	13.252	105	56811	4.693	ug/l	99
86) p-Isopropyltoluene	13.367	119	44741	4.504	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	27618	5.087	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	28716	5.234	ug/l	94
89) n-Butylbenzene	13.697	91	44576	4.692	ug/l	98
90) Hexachloroethane	13.959	117	11015	5.318	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	25244	5.110	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2476	4.901	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	13338	4.543	ug/l	97
94) Hexachlorobutadiene	15.111	225	9002	5.178	ug/l	99
95) Naphthalene	15.239	128	24901	6.441	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	12700	4.748	ug/l	97

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

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