

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041123\
 Data File : VY013229.D
 Acq On : 10 Apr 2023 16:15
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/12/2023
 Supervised By :Mahesh Dadoda 04/12/2023

Quant Time: Apr 11 10:59:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 11 10:54:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	90758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	146566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	130742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	64812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	5802	5.685	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.360%#		
35) Dibromofluoromethane	7.710	113	4595	5.245	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.480%#		
50) Toluene-d8	10.179	98	14872	4.848	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.700%#		
62) 4-Bromofluorobenzene	12.477	95	5566	5.082	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	3301	1.522	ug/l	99
3) Chloromethane	2.107	50	5311m	2.585	ug/l	
4) Vinyl Chloride	2.247	62	4165	5.357	ug/l	95
5) Bromomethane	2.643	94	3616	2.851	ug/l	100
6) Chloroethane	2.790	64	2994	5.266	ug/l	91
7) Trichlorofluoromethane	3.125	101	6722	5.340	ug/l	91
8) Diethyl Ether	3.527	74	2556	5.350	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	4241	5.525	ug/l	95
10) Methyl Iodide	4.094	142	5262	5.688	ug/l	94
11) Tert butyl alcohol	4.930	59	7807	44.162	ug/l #	74
12) 1,1-Dichloroethene	3.869	96	3540	5.294	ug/l	88
13) Acrolein	3.729	56	3076	29.791	ug/l	99
14) Allyl chloride	4.485	41	7411	5.216	ug/l	90
15) Acrylonitrile	5.161	53	8340	25.395	ug/l	99
16) Acetone	3.948	43	11333	27.287	ug/l	95
17) Carbon Disulfide	4.186	76	8615	2.622	ug/l	99
18) Methyl Acetate	4.472	43	6426	5.211	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	12323	4.839	ug/l	95
20) Methylene Chloride	4.716	84	11552	3.388	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	4032	5.140	ug/l	92
22) Diisopropyl ether	6.118	45	15241	4.844	ug/l	96
23) Vinyl Acetate	6.057	43	46459	23.520	ug/l	97
24) 1,1-Dichloroethane	6.015	63	8612	5.302	ug/l	97
25) 2-Butanone	6.984	43	13974	26.033	ug/l	97
26) 2,2-Dichloropropane	6.984	77	8857	5.775	ug/l	91
27) cis-1,2-Dichloroethene	6.984	96	4869	5.145	ug/l	86
28) Bromochloromethane	7.325	49	3427	4.469	ug/l #	96
29) Tetrahydrofuran	7.350	42	7665	24.487	ug/l	96
30) Chloroform	7.502	83	8815	5.201	ug/l	98
31) Cyclohexane	7.789	56	7862	3.332	ug/l #	75
32) 1,1,1-Trichloroethane	7.697	97	7768	5.231	ug/l	96
36) 1,1-Dichloropropene	7.917	75	6053	5.024	ug/l	95
37) Ethyl Acetate	7.076	43	6026	5.403	ug/l #	91
38) Carbon Tetrachloride	7.892	117	7333	5.227	ug/l #	93
39) Methylcyclohexane	9.179	83	5873	4.638	ug/l	96
40) Benzene	8.155	78	18037	5.082	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	2630	4.522	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	6772	5.193	ug/l	98
43) Isopropyl Acetate	8.270	43	9164	4.704	ug/l #	86
44) Trichloroethene	8.941	130	4676	5.047	ug/l	89
45) 1,2-Dichloropropane	9.215	63	4739	4.903	ug/l	91
46) Dibromomethane	9.307	93	2974	5.055	ug/l	96
47) Bromodichloromethane	9.496	83	7153	5.035	ug/l	98
48) Methyl methacrylate	9.289	41	3954	4.622	ug/l	90
49) 1,4-Dioxane	9.301	88	714	85.318	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	25521	23.099	ug/l	96
52) Toluene	10.240	92	10865	4.882	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	7145	4.800	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	7697	4.822	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	4220	5.072	ug/l	95
56) Ethyl methacrylate	10.508	69	4869	4.188	ug/l	90
57) 1,3-Dichloropropane	10.788	76	7032	5.011	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	12072	22.894	ug/l	96
59) 2-Hexanone	10.831	43	17960	22.042	ug/l	94
60) Dibromochloromethane	10.977	129	5080	4.906	ug/l	99
61) 1,2-Dibromoethane	11.087	107	4002	5.039	ug/l	96
64) Tetrachloroethene	10.715	164	4048	5.015	ug/l	96
65) Chlorobenzene	11.514	112	12463	5.002	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.587	131	4934	4.979	ug/l	99
67) Ethyl Benzene	11.593	91	20558	4.753	ug/l	96
68) m/p-Xylenes	11.703	106	15584	9.470	ug/l	99
69) o-Xylene	12.032	106	7275	4.651	ug/l	96
70) Styrene	12.044	104	11630	4.360	ug/l	97
71) Bromoform	12.209	173	3420	4.809	ug/l #	98
73) Isopropylbenzene	12.331	105	19112	4.698	ug/l	100
74) N-amyl acetate	12.142	43	6807	4.374	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	5496	5.054	ug/l	96
76) 1,2,3-Trichloropropane	12.629	75	4010m	4.907	ug/l	
77) Bromobenzene	12.605	156	5213	5.036	ug/l	99
78) n-propylbenzene	12.666	91	23499	4.692	ug/l	98
79) 2-Chlorotoluene	12.757	91	13684	4.799	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	15634	4.646	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	1769	4.624	ug/l	86
82) 4-Chlorotoluene	12.855	91	14200	4.769	ug/l	99
83) tert-Butylbenzene	13.074	119	13951	4.638	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	15641	4.675	ug/l	97
85) sec-Butylbenzene	13.251	105	20835	4.713	ug/l	99
86) p-Isopropyltoluene	13.367	119	17338	4.679	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	10485	5.173	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	11053	5.347	ug/l	93
89) n-Butylbenzene	13.696	91	16370	4.713	ug/l	98
90) Hexachloroethane	13.958	117	4121	5.245	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	9673	5.179	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1128	5.443	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	5633	4.888	ug/l	98
94) Hexachlorobutadiene	15.111	225	3842	5.646	ug/l	95
95) Naphthalene	15.233	128	11429	4.403	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	5452	5.069	ug/l	98

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

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