

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041123\
 Data File : VY013232.D
 Acq On : 10 Apr 2023 17:46
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023

Quant Time: Apr 11 10:59:53 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	97781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	152827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	137248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	71959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54177	49.270	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.540%		
35) Dibromofluoromethane	7.716	113	44916	49.168	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.340%		
50) Toluene-d8	10.179	98	164236	51.350	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.700%		
62) 4-Bromofluorobenzene	12.483	95	58227	50.981	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31877	51.719	ug/l	96
3) Chloromethane	2.107	50	37905	51.292	ug/l	97
4) Vinyl Chloride	2.247	62	38895	46.437	ug/l	98
5) Bromomethane	2.650	94	28623	51.071	ug/l	91
6) Chloroethane	2.790	64	28865	47.126	ug/l	95
7) Trichlorofluoromethane	3.119	101	64842	47.814	ug/l	89
8) Diethyl Ether	3.527	74	25127	48.820	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.893	101	39879	48.224	ug/l	97
10) Methyl Iodide	4.088	142	45169	45.320	ug/l	96
11) Tert butyl alcohol	4.954	59	38310	201.144	ug/l	98
12) 1,1-Dichloroethene	3.869	96	34115	47.355	ug/l	96
13) Acrolein	3.729	56	23929	247.288	ug/l	100
14) Allyl chloride	4.479	41	73216	47.830	ug/l	93
15) Acrylonitrile	5.155	53	90221	254.988	ug/l	99
16) Acetone	3.942	43	116515	260.388	ug/l	95
17) Carbon Disulfide	4.192	76	77774	49.918	ug/l	99
18) Methyl Acetate	4.472	43	65989	49.670	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	139552	50.859	ug/l	100
20) Methylene Chloride	4.710	84	54213	51.705	ug/l	96
21) trans-1,2-Dichloroethene	5.210	96	41352	48.931	ug/l	98
22) Diisopropyl ether	6.118	45	174749	51.548	ug/l	98
23) Vinyl Acetate	6.058	43	557983	262.188	ug/l	98
24) 1,1-Dichloroethane	6.015	63	82989	47.425	ug/l	97
25) 2-Butanone	6.984	43	151571	262.088	ug/l	94
26) 2,2-Dichloropropane	6.984	77	78644	47.597	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	49501	48.548	ug/l	95
28) Bromochloromethane	7.332	49	44093	53.372	ug/l	92
29) Tetrahydrofuran	7.344	42	88969	263.809	ug/l	97
30) Chloroform	7.502	83	88571	48.506	ug/l	98
31) Cyclohexane	7.783	56	63878	51.149	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	77819	48.640	ug/l	97
36) 1,1-Dichloropropene	7.917	75	62003	49.351	ug/l	98
37) Ethyl Acetate	7.070	43	59469	51.135	ug/l	96
38) Carbon Tetrachloride	7.899	117	70355	48.094	ug/l	97
39) Methylcyclohexane	9.179	83	66601	50.445	ug/l	97
40) Benzene	8.155	78	181029	48.913	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	27022m	44.558	ug/l	
42) 1,2-Dichloroethane	8.234	62	66428	48.857	ug/l	98
43) Isopropyl Acetate	8.271	43	103997	51.191	ug/l	96
44) Trichloroethene	8.935	130	47021	48.677	ug/l	97
45) 1,2-Dichloropropane	9.215	63	49764	49.375	ug/l	97
46) Dibromomethane	9.301	93	30280	49.359	ug/l	99
47) Bromodichloromethane	9.496	83	72578	48.997	ug/l	99
48) Methyl methacrylate	9.289	41	46443	52.061	ug/l	92
49) 1,4-Dioxane	9.301	88	9353	1071.834	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	308350	267.653	ug/l	97
52) Toluene	10.240	92	117289	50.540	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	77256	49.773	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	82011	49.269	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	43304	49.911	ug/l	98
56) Ethyl methacrylate	10.508	69	64629	53.313	ug/l	93
57) 1,3-Dichloropropane	10.788	76	73640	50.322	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	139724	254.126	ug/l	100
59) 2-Hexanone	10.831	43	233508	274.846	ug/l	96
60) Dibromochloromethane	10.983	129	54007	50.024	ug/l	100
61) 1,2-Dibromoethane	11.087	107	40590	49.010	ug/l	98
64) Tetrachloroethene	10.721	164	41509	48.985	ug/l	95
65) Chlorobenzene	11.514	112	129674	49.577	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	51489	49.495	ug/l	99
67) Ethyl Benzene	11.593	91	231160	50.915	ug/l	99
68) m/p-Xylenes	11.703	106	181085	104.823	ug/l	100
69) o-Xylene	12.026	106	85348	51.977	ug/l	99
70) Styrene	12.044	104	149749	53.477	ug/l	99
71) Bromoform	12.209	173	38334	51.350	ug/l #	96
73) Isopropylbenzene	12.331	105	233044	51.593	ug/l	99
74) N-amyl acetate	12.142	43	93542	54.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	60990	50.513	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	43961m	48.453	ug/l	
77) Bromobenzene	12.605	156	57055	49.644	ug/l	98
78) n-propylbenzene	12.666	91	289486	52.065	ug/l	99
79) 2-Chlorotoluene	12.758	91	160508	50.698	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	194160	51.971	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	22302	52.511	ug/l	94
82) 4-Chlorotoluene	12.855	91	168419	50.944	ug/l	98
83) tert-Butylbenzene	13.075	119	174353	52.203	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	193239	52.024	ug/l	99
85) sec-Butylbenzene	13.251	105	257985	52.560	ug/l	100
86) p-Isopropyltoluene	13.367	119	216374	52.590	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	112091	49.807	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	113763	49.572	ug/l	99
89) n-Butylbenzene	13.696	91	201441	52.234	ug/l	100
90) Hexachloroethane	13.959	117	42995	49.290	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	103595	49.960	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10895	47.351	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	63776	49.847	ug/l	98
94) Hexachlorobutadiene	15.111	225	35534	47.034	ug/l	99
95) Naphthalene	15.233	128	148669	51.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	59292	49.647	ug/l	99

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

