

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010623\
 Data File : VY012101.D
 Acq On : 06 Jan 2023 18:57
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/09/2023
 Supervised By :Mahesh Dadoda 01/09/2023

Quant Time: Jan 07 01:50:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	156769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	226499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	88796	50.408	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.820%			
35) Dibromofluoromethane	7.716	113	77458	49.191	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.380%			
50) Toluene-d8	10.179	98	289062	46.509	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.020%			
62) 4-Bromofluorobenzene	12.483	95	108447	49.919	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	60015	48.016	ug/l	99
3) Chloromethane	2.113	50	55085	48.240	ug/l	98
4) Vinyl Chloride	2.253	62	65195	42.789	ug/l	99
5) Bromomethane	2.650	94	51525	51.821	ug/l	98
6) Chloroethane	2.796	64	46193	45.761	ug/l	98
7) Trichlorofluoromethane	3.125	101	140233	46.199	ug/l	98
8) Diethyl Ether	3.527	74	48631	52.329	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.899	101	72839	46.607	ug/l	94
10) Methyl Iodide	4.094	142	99049	46.751	ug/l	96
11) Tert butyl alcohol	4.948	59	56662	279.409	ug/l	99
12) 1,1-Dichloroethene	3.869	96	71432	46.621	ug/l	98
13) Acrolein	3.729	56	23618	262.119	ug/l	99
14) Allyl chloride	4.479	41	100481	48.649	ug/l	90
15) Acrylonitrile	5.161	53	126122	288.853	ug/l	99
16) Acetone	3.948	43	99707	240.615	ug/l	98
17) Carbon Disulfide	4.192	76	175839	47.347	ug/l	100
18) Methyl Acetate	4.472	43	64704	54.282	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	255066	56.559	ug/l	92
20) Methylene Chloride	4.716	84	93941	54.110	ug/l	90
21) trans-1,2-Dichloroethene	5.222	96	81860	48.283	ug/l	93
22) Diisopropyl ether	6.118	45	230878	54.338	ug/l #	91
23) Vinyl Acetate	6.057	43	735390	286.015	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	144262	51.043	ug/l	99
25) 2-Butanone	6.978	43	151736	277.538	ug/l	96
26) 2,2-Dichloropropane	6.978	77	145402	47.689	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	100232	51.762	ug/l	96
28) Bromochloromethane	7.338	49	37065	51.874	ug/l #	81
29) Tetrahydrofuran	7.344	42	96492	302.361	ug/l	87
30) Chloroform	7.508	83	171158	53.128	ug/l	97
31) Cyclohexane	7.783	56	109467	49.142	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	159586	51.000	ug/l	98
36) 1,1-Dichloropropene	7.917	75	112999	47.300	ug/l	98
37) Ethyl Acetate	7.076	43	66926	52.321	ug/l #	96
38) Carbon Tetrachloride	7.899	117	149343	49.252	ug/l	96
39) Methylcyclohexane	9.185	83	131875	46.210	ug/l	97
40) Benzene	8.161	78	339871	48.822	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	35911m	51.619	ug/l	
42) 1,2-Dichloroethane	8.234	62	119611	54.271	ug/l	99
43) Isopropyl Acetate	8.271	43	123151	57.449	ug/l	96
44) Trichloroethene	8.941	130	101158	49.766	ug/l	96
45) 1,2-Dichloropropane	9.215	63	80790	52.087	ug/l	100
46) Dibromomethane	9.307	93	53902	55.202	ug/l	97
47) Bromodichloromethane	9.496	83	135048	54.394	ug/l	99
48) Methyl methacrylate	9.295	41	56424	58.761	ug/l	91
49) 1,4-Dioxane	9.295	88	16560	1224.723	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	344593	302.103	ug/l	97
52) Toluene	10.246	92	231555	50.252	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	139935	54.179	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	148917	53.294	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	78892	55.941	ug/l	98
56) Ethyl methacrylate	10.508	69	108837	58.913	ug/l	96
57) 1,3-Dichloropropane	10.788	76	128845	55.360	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	192241	284.488	ug/l	92
59) 2-Hexanone	10.831	43	244702	305.518	ug/l	95
60) Dibromochloromethane	10.983	129	104746	56.331	ug/l	100
61) 1,2-Dibromoethane	11.087	107	74664	55.315	ug/l	99
64) Tetrachloroethene	10.721	164	109235	49.231	ug/l	97
65) Chlorobenzene	11.514	112	258329	49.939	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	105167	52.659	ug/l	98
67) Ethyl Benzene	11.593	91	455763	49.293	ug/l	99
68) m/p-Xylenes	11.703	106	361620	99.718	ug/l	99
69) o-Xylene	12.026	106	175544	50.839	ug/l	98
70) Styrene	12.044	104	303514	51.747	ug/l	99
71) Bromoform	12.209	173	71636	56.453	ug/l	100
73) Isopropylbenzene	12.331	105	470326	48.350	ug/l	99
74) N-amyl acetate	12.142	43	112859	56.199	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	87739	53.619	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	72996m	52.004	ug/l	
77) Bromobenzene	12.605	156	115490	49.779	ug/l	95
78) n-propylbenzene	12.672	91	545066	47.999	ug/l	99
79) 2-Chlorotoluene	12.758	91	311645	47.977	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	406314	48.699	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	33913	53.656	ug/l	98
82) 4-Chlorotoluene	12.855	91	329834	48.548	ug/l	98
83) tert-Butylbenzene	13.075	119	357285	48.875	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	407386	49.327	ug/l	99
85) sec-Butylbenzene	13.251	105	509275	48.469	ug/l	98
86) p-Isopropyltoluene	13.367	119	442490	48.609	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	228863	49.211	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	226429	48.739	ug/l	99
89) n-Butylbenzene	13.696	91	383351	48.597	ug/l	98
90) Hexachloroethane	13.959	117	82069	48.597	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	211546	51.059	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18290	56.238	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	135898	52.611	ug/l	99
94) Hexachlorobutadiene	15.111	225	78378	50.290	ug/l	99
95) Naphthalene	15.233	128	296632	58.027	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	120430	53.624	ug/l	100

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

