

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012305.D
 Acq On : 20 Jan 2023 20:53
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/23/2023
 Supervised By :Mahesh Dadoda 01/25/2023

Quant Time: Jan 23 02:26:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	187453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	285080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	267358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	75951	48.786	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.580%		
35) Dibromofluoromethane	7.716	113	69420	45.989	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.980%		
50) Toluene-d8	10.179	98	255266	48.694	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.380%		
62) 4-Bromofluorobenzene	12.483	95	96650	45.420	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	67782	41.377	ug/l	98
3) Chloromethane	2.113	50	62015	41.008	ug/l	98
4) Vinyl Chloride	2.253	62	77878	44.120	ug/l	95
5) Bromomethane	2.650	94	62721	45.959	ug/l	96
6) Chloroethane	2.796	64	53961	46.874	ug/l	96
7) Trichlorofluoromethane	3.131	101	163628	47.497	ug/l	99
8) Diethyl Ether	3.528	74	48743	47.548	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.899	101	81707	48.731	ug/l	94
10) Methyl Iodide	4.095	142	116631	45.772	ug/l	95
11) Tert butyl alcohol	4.948	59	43999	238.034	ug/l	99
12) 1,1-Dichloroethene	3.875	96	83835	48.695	ug/l	95
13) Acrolein	3.729	56	10946	144.860	ug/l	98
14) Allyl chloride	4.479	41	99642	46.808	ug/l #	83
15) Acrylonitrile	5.161	53	111241	248.433	ug/l	99
16) Acetone	3.948	43	101035	193.564	ug/l	99
17) Carbon Disulfide	4.198	76	249232	46.802	ug/l	100
18) Methyl Acetate	4.479	43	57587	49.304	ug/l #	85
19) Methyl tert-butyl Ether	5.222	73	238310	49.656	ug/l	93
20) Methylene Chloride	4.716	84	106167	48.300	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	94977	49.436	ug/l	88
22) Diisopropyl ether	6.112	45	208813	49.202	ug/l #	88
23) Vinyl Acetate	6.058	43	637939	241.228	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	146283	49.694	ug/l	97
25) 2-Butanone	6.984	43	128362	222.754	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	149736	46.858	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	107411	50.898	ug/l	92
28) Bromochloromethane	7.332	49	29121	45.298	ug/l #	69
29) Tetrahydrofuran	7.344	42	78031	246.521	ug/l #	80
30) Chloroform	7.509	83	176417	50.769	ug/l	99
31) Cyclohexane	7.783	56	128057	46.854	ug/l	90
32) 1,1,1-Trichloroethane	7.704	97	170454	49.549	ug/l	98
36) 1,1-Dichloropropene	7.917	75	126120	49.162	ug/l	98
37) Ethyl Acetate	7.070	43	53860	47.624	ug/l #	93
38) Carbon Tetrachloride	7.899	117	165071	49.821	ug/l	99
39) Methylcyclohexane	9.185	83	159634	50.919	ug/l	92
40) Benzene	8.161	78	369353	49.883	ug/l	100

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41) Methacrylonitrile	7.326	41	35058m	52.738	ug/l	
42) 1,2-Dichloroethane	8.234	62	118368	50.214	ug/l	99
43) Isopropyl Acetate	8.271	43	101656	48.313	ug/l #	92
44) Trichloroethene	8.941	130	111681	50.463	ug/l	99
45) 1,2-Dichloropropane	9.216	63	78467	50.787	ug/l	98
46) Dibromomethane	9.307	93	53138	51.374	ug/l	94
47) Bromodichloromethane	9.496	83	133520	51.282	ug/l	97
48) Methyl methacrylate	9.295	41	48117	49.632	ug/l	87
49) 1,4-Dioxane	9.295	88	14601	1035.975	ug/l	87
51) 4-Methyl-2-Pentanone	10.069	43	277147	247.019	ug/l	94
52) Toluene	10.246	92	250865	50.885	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	137117	50.348	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	146100	49.813	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	74370	50.608	ug/l	97
56) Ethyl methacrylate	10.508	69	100707	52.236	ug/l	93
57) 1,3-Dichloropropane	10.788	76	122805	51.169	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	147878	231.810	ug/l #	88
59) 2-Hexanone	10.831	43	201543	235.941	ug/l	94
60) Dibromochloromethane	10.984	129	102759	52.721	ug/l	99
61) 1,2-Dibromoethane	11.087	107	73080	51.536	ug/l	100
64) Tetrachloroethene	10.721	164	131526	53.913	ug/l	96
65) Chlorobenzene	11.514	112	272874	49.883	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	104836	50.774	ug/l	98
67) Ethyl Benzene	11.593	91	485945	49.706	ug/l	98
68) m/p-Xylenes	11.703	106	388403	100.480	ug/l	98
69) o-Xylene	12.026	106	185653	50.284	ug/l	97
70) Styrene	12.044	104	313719	50.855	ug/l	99
71) Bromoform	12.209	173	68168	51.675	ug/l	98
73) Isopropylbenzene	12.331	105	497500	50.292	ug/l	99
74) N-amyl acetate	12.142	43	89355	46.080	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	74841	48.032	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	69338m	54.967	ug/l	
77) Bromobenzene	12.611	156	120210	50.501	ug/l	90
78) n-propylbenzene	12.672	91	564402	48.758	ug/l	97
79) 2-Chlorotoluene	12.758	91	322642	49.297	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	428331	49.809	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	29204	47.701	ug/l	97
82) 4-Chlorotoluene	12.855	91	339625	49.401	ug/l	98
83) tert-Butylbenzene	13.075	119	369117	49.249	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	425069	50.122	ug/l	99
85) sec-Butylbenzene	13.251	105	525959	49.288	ug/l	97
86) p-Isopropyltoluene	13.367	119	462601	49.617	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	232969	49.210	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	229551	48.620	ug/l	99
89) n-Butylbenzene	13.697	91	389240	48.175	ug/l	98
90) Hexachloroethane	13.959	117	83622	49.683	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	207631	49.152	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	15568	48.347	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	128919	47.630	ug/l	97
94) Hexachlorobutadiene	15.111	225	79860	49.004	ug/l	99
95) Naphthalene	15.239	128	257905	48.275	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	110420	47.407	ug/l	99

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

