

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012323\
 Data File : VY012307.D
 Acq On : 23 Jan 2023 12:09
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/24/2023
 Supervised By :Mahesh Dadoda 01/25/2023

Quant Time: Jan 23 15:08:58 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	179464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	268117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	243165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	76295	51.399	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.800%			
35) Dibromofluoromethane	7.716	113	69285	48.803	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.600%			
50) Toluene-d8	10.179	98	256759	52.407	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.820%			
62) 4-Bromofluorobenzene	12.483	95	95780	47.859	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	69479	44.301	ug/l	98
3) Chloromethane	2.119	50	67723	46.776	ug/l	97
4) Vinyl Chloride	2.253	62	82884	49.046	ug/l	99
5) Bromomethane	2.656	94	63593	48.672	ug/l	98
6) Chloroethane	2.796	64	54695	49.627	ug/l	96
7) Trichlorofluoromethane	3.131	101	158656	48.104	ug/l	99
8) Diethyl Ether	3.528	74	46336	47.213	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.906	101	79039	49.238	ug/l	96
10) Methyl Iodide	4.095	142	110551	45.318	ug/l	96
11) Tert butyl alcohol	4.954	59	36722	205.849	ug/l	99
12) 1,1-Dichloroethene	3.875	96	81481	49.434	ug/l	98
13) Acrolein	3.729	56	18162	279.360	ug/l	99
14) Allyl chloride	4.479	41	102863	50.472	ug/l #	87
15) Acrylonitrile	5.161	53	101474	236.709	ug/l	100
16) Acetone	3.948	43	131213	262.569	ug/l	98
17) Carbon Disulfide	4.198	76	244963	48.048	ug/l	100
18) Methyl Acetate	4.479	43	52468	46.921	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	222836	48.498	ug/l	94
20) Methylene Chloride	4.716	84	92884	43.325	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	90614	49.265	ug/l	90
22) Diisopropyl ether	6.119	45	204071	50.226	ug/l #	94
23) Vinyl Acetate	6.058	43	607035	239.760	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	139701	49.571	ug/l	98
25) 2-Butanone	6.984	43	131032	237.510	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	148983	48.698	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	98436	48.722	ug/l	95
28) Bromochloromethane	7.338	49	28598	46.464	ug/l #	75
29) Tetrahydrofuran	7.344	42	70189	231.617	ug/l #	83
30) Chloroform	7.509	83	164858	49.555	ug/l	96
31) Cyclohexane	7.789	56	122450	46.797	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	161495	49.034	ug/l	98
36) 1,1-Dichloropropene	7.917	75	120453	49.923	ug/l	97
37) Ethyl Acetate	7.076	43	48859	45.935	ug/l #	95
38) Carbon Tetrachloride	7.899	117	152603	48.972	ug/l	96
39) Methylcyclohexane	9.185	83	150160	50.927	ug/l	95
40) Benzene	8.161	78	348196	50.001	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	25854m	41.353	ug/l	
42) 1,2-Dichloroethane	8.234	62	108837	49.092	ug/l	100
43) Isopropyl Acetate	8.271	43	93314	47.155	ug/l #	93
44) Trichloroethene	8.941	130	102774	49.376	ug/l	99
45) 1,2-Dichloropropane	9.216	63	73571	50.630	ug/l	98
46) Dibromomethane	9.307	93	46970	48.284	ug/l	97
47) Bromodichloromethane	9.496	83	122193	49.901	ug/l	99
48) Methyl methacrylate	9.295	41	43293	47.481	ug/l	87
49) 1,4-Dioxane	9.295	88	12643	953.804	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	248846	235.827	ug/l	95
52) Toluene	10.246	92	234512	50.577	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	124919	48.771	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	136892	49.627	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	66121	47.841	ug/l	97
56) Ethyl methacrylate	10.508	69	89434	49.324	ug/l	94
57) 1,3-Dichloropropane	10.795	76	111623	49.453	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	140673	234.467	ug/l	90
59) 2-Hexanone	10.831	43	196678	244.812	ug/l	95
60) Dibromochloromethane	10.990	129	88104	48.062	ug/l	99
61) 1,2-Dibromoethane	11.087	107	64171	48.117	ug/l	97
64) Tetrachloroethene	10.721	164	111986	50.470	ug/l	98
65) Chlorobenzene	11.520	112	244267	49.096	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	93076	49.563	ug/l	97
67) Ethyl Benzene	11.593	91	450227	50.634	ug/l	99
68) m/p-Xylenes	11.703	106	354184	100.744	ug/l	99
69) o-Xylene	12.032	106	168467	50.169	ug/l	99
70) Styrene	12.044	104	284630	50.730	ug/l	99
71) Bromoform	12.209	173	56800	47.341	ug/l #	100
73) Isopropylbenzene	12.331	105	454081	51.015	ug/l	99
74) N-amyl acetate	12.148	43	81251	46.567	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	66707	47.580	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	52206m	45.995	ug/l	
77) Bromobenzene	12.611	156	103987	48.551	ug/l	92
78) n-propylbenzene	12.672	91	530629	50.946	ug/l	98
79) 2-Chlorotoluene	12.758	91	295033	50.099	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	394911	51.038	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	26584	48.258	ug/l	96
82) 4-Chlorotoluene	12.855	91	309484	50.031	ug/l	98
83) tert-Butylbenzene	13.081	119	339903	50.402	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	384515	50.390	ug/l	99
85) sec-Butylbenzene	13.258	105	491026	51.140	ug/l	98
86) p-Isopropyltoluene	13.373	119	427935	51.011	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	208955	49.053	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	207144	48.760	ug/l	99
89) n-Butylbenzene	13.703	91	371565	51.110	ug/l	98
90) Hexachloroethane	13.965	117	74537	49.217	ug/l	95
91) 1,2-Dichlorobenzene	13.745	146	184613	48.571	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	13546	46.753	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	117033	48.054	ug/l	98
94) Hexachlorobutadiene	15.117	225	71499	48.760	ug/l	99
95) Naphthalene	15.239	128	228440	47.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	100753	48.075	ug/l	98

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

