

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010623\
 Data File : VY012084.D
 Acq On : 06 Jan 2023 11:22
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Jan 07 01:17:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:17:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	178291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	273719	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	243362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	10796	5.372	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.740%#		
35) Dibromofluoromethane	7.716	113	9802	5.476	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.960%#		
50) Toluene-d8	10.179	98	39598	5.631	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	11.260%#		
62) 4-Bromofluorobenzene	12.483	95	13324	5.410	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.820%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	9328	2.932	ug/l	98
3) Chloromethane	2.113	50	8709	3.686	ug/l	98
4) Vinyl Chloride	2.253	62	10160	5.875	ug/l	94
5) Bromomethane	2.656	94	8728	3.934	ug/l	94
6) Chloroethane	2.796	64	6375	5.537	ug/l	97
7) Trichlorofluoromethane	3.131	101	18816	5.443	ug/l	94
8) Diethyl Ether	3.527	74	5356	5.038	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	9475	5.338	ug/l	94
10) Methyl Iodide	4.094	142	12105	4.989	ug/l	96
11) Tert butyl alcohol	4.930	59	10913	12.507	ug/l #	78
12) 1,1-Dichloroethene	3.875	96	9776	5.661	ug/l	96
13) Acrolein	3.735	56	4085	4.523	ug/l	100
14) Allyl chloride	4.485	41	12350	5.299	ug/l	93
15) Acrylonitrile	5.161	53	11447	22.834	ug/l	98
16) Acetone	3.948	43	11908	24.819	ug/l	94
17) Carbon Disulfide	4.198	76	29283	4.465	ug/l	98
18) Methyl Acetate	4.485	43	7672	5.519	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	24225	4.675	ug/l	94
20) Methylene Chloride	4.716	84	17610	3.299	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	10664	5.546	ug/l	92
22) Diisopropyl ether	6.125	45	23476	4.831	ug/l #	89
23) Vinyl Acetate	6.064	43	63305	21.478	ug/l	96
24) 1,1-Dichloroethane	6.021	63	17055	5.318	ug/l	98
25) 2-Butanone	6.984	43	15334	24.266	ug/l	99
26) 2,2-Dichloropropane	6.984	77	19756	5.687	ug/l	93
27) cis-1,2-Dichloroethene	6.984	96	11404	5.172	ug/l	95
28) Bromochloromethane	7.338	49	4806	5.893	ug/l	87
29) Tetrahydrofuran	7.350	42	7927	21.280	ug/l	90
30) Chloroform	7.508	83	18910	5.156	ug/l	100
31) Cyclohexane	7.789	56	17967	3.941	ug/l #	77
32) 1,1,1-Trichloroethane	7.704	97	18409	5.159	ug/l	98
36) 1,1-Dichloropropene	7.917	75	15481	5.690	ug/l	98
37) Ethyl Acetate	7.070	43	8268	3.018	ug/l #	97
38) Carbon Tetrachloride	7.899	117	18014	5.207	ug/l	98
39) Methylcyclohexane	9.185	83	16609	5.030	ug/l	95
40) Benzene	8.161	78	43200	5.451	ug/l	100

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	3361m	4.605	ug/l	
42) 1,2-Dichloroethane	8.240	62	12368	4.843	ug/l	99
43) Isopropyl Acetate	8.271	43	11022	4.429	ug/l	96
44) Trichloroethene	8.941	130	12276	5.262	ug/l	94
45) 1,2-Dichloropropane	9.216	63	9035	5.103	ug/l	99
46) Dibromomethane	9.307	93	5453	4.825	ug/l	96
47) Bromodichloromethane	9.496	83	13507	4.689	ug/l	99
48) Methyl methacrylate	9.295	41	4375	3.889	ug/l #	81
49) 1,4-Dioxane	9.301	88	1312	83.242	ug/l #	80
51) 4-Methyl-2-Pentanone	10.069	43	27132	20.311	ug/l	97
52) Toluene	10.246	92	28307	5.381	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	14095	4.740	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	15403	4.806	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	7552	4.608	ug/l	98
56) Ethyl methacrylate	10.508	69	8875	4.133	ug/l	96
57) 1,3-Dichloropropane	10.788	76	12480	4.610	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	18404	23.535	ug/l	91
59) 2-Hexanone	10.831	43	18144	19.314	ug/l	93
60) Dibromochloromethane	10.983	129	10167	4.734	ug/l	97
61) 1,2-Dibromoethane	11.087	107	7666	4.954	ug/l	93
64) Tetrachloroethene	10.721	164	13210	5.576	ug/l	95
65) Chlorobenzene	11.520	112	29633	5.344	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	10728	4.954	ug/l	96
67) Ethyl Benzene	11.593	91	52601	5.314	ug/l	100
68) m/p-Xylenes	11.703	106	40343	10.366	ug/l	100
69) o-Xylene	12.032	106	18767	5.062	ug/l	98
70) Styrene	12.044	104	31654	5.032	ug/l	99
71) Bromoform	12.209	173	6281	4.522	ug/l #	96
73) Isopropylbenzene	12.331	105	51745	5.232	ug/l	100
74) N-amyl acetate	12.148	43	8646	4.134	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	8056	4.771	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	8288m	5.054	ug/l	
77) Bromobenzene	12.611	156	12529	5.281	ug/l	91
78) n-propylbenzene	12.672	91	60828	5.257	ug/l	98
79) 2-Chlorotoluene	12.758	91	35746	5.436	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	44353	5.217	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.380	75	3108	4.776	ug/l	96
82) 4-Chlorotoluene	12.855	91	36812	5.318	ug/l	99
83) tert-Butylbenzene	13.075	119	39980	5.404	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	43228	5.129	ug/l	99
85) sec-Butylbenzene	13.251	105	56782	5.308	ug/l	98
86) p-Isopropyltoluene	13.373	119	48506	5.241	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	26543	5.625	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	26800	5.672	ug/l	97
89) n-Butylbenzene	13.696	91	41813	5.194	ug/l	98
90) Hexachloroethane	13.959	117	9667	5.671	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	22724	5.369	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1557	4.586	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	13743	5.225	ug/l	99
94) Hexachlorobutadiene	15.117	225	8546	5.349	ug/l	99
95) Naphthalene	15.239	128	24744	4.735	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	11964	5.238	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

