

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041123\
 Data File : VY013233.D
 Acq On : 10 Apr 2023 18:08
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/12/2023
 Supervised By :Mahesh Dadoda 04/12/2023

Quant Time: Apr 11 11:00:13 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	99401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	151496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	137594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	70791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	102646	91.828	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 183.660%#			
35) Dibromofluoromethane	7.716	113	89145	98.440	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 196.880%#			
50) Toluene-d8	10.179	98	324606	102.383	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 204.760%#			
62) 4-Bromofluorobenzene	12.483	95	114302	100.958	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 201.920%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	62546	104.272	ug/l	96
3) Chloromethane	2.113	50	70881	99.452	ug/l	98
4) Vinyl Chloride	2.247	62	76612	89.976	ug/l	97
5) Bromomethane	2.638	94	54985	100.732	ug/l	95
6) Chloroethane	2.790	64	57197	91.860	ug/l	96
7) Trichlorofluoromethane	3.119	101	125939	91.353	ug/l	99
8) Diethyl Ether	3.528	74	48754	93.182	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	77447	92.127	ug/l	97
10) Methyl Iodide	4.082	142	96490	95.236	ug/l	96
11) Tert butyl alcohol	4.948	59	63393	327.416	ug/l	99
12) 1,1-Dichloroethene	3.869	96	67851	92.648	ug/l	93
13) Acrolein	3.723	56	44998	461.838	ug/l	100
14) Allyl chloride	4.473	41	149602	96.137	ug/l	94
15) Acrylonitrile	5.155	53	166753	463.606	ug/l	99
16) Acetone	3.942	43	203025	446.326	ug/l	97
17) Carbon Disulfide	4.186	76	154138	100.915	ug/l	99
18) Methyl Acetate	4.473	43	119075	88.167	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	277044	99.321	ug/l	99
20) Methylene Chloride	4.710	84	98135	100.664	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	81776	95.187	ug/l	96
22) Diisopropyl ether	6.119	45	345020	100.116	ug/l	99
23) Vinyl Acetate	6.058	43	1070283	494.714	ug/l	99
24) 1,1-Dichloroethane	6.015	63	170127	95.636	ug/l	97
25) 2-Butanone	6.984	43	265559	451.706	ug/l	95
26) 2,2-Dichloropropane	6.978	77	156936	93.433	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	102910	99.284	ug/l	97
28) Bromochloromethane	7.332	49	84186	100.241	ug/l	95
29) Tetrahydrofuran	7.344	42	157185	458.486	ug/l	97
30) Chloroform	7.503	83	179820	96.874	ug/l	100
31) Cyclohexane	7.783	56	125803	102.820	ug/l	98
32) 1,1,1-Trichloroethane	7.698	97	156469	96.205	ug/l	99
36) 1,1-Dichloropropene	7.917	75	122051	97.999	ug/l	99
37) Ethyl Acetate	7.070	43	104203	90.388	ug/l	98
38) Carbon Tetrachloride	7.899	117	141114	97.312	ug/l	100
39) Methylcyclohexane	9.179	83	134426	102.711	ug/l	96
40) Benzene	8.155	78	359541	97.999	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	59687m	99.285	ug/l	
42) 1,2-Dichloroethane	8.234	62	128996	95.708	ug/l	99
43) Isopropyl Acetate	8.271	43	194855	96.757	ug/l	96
44) Trichloroethene	8.935	130	94635	98.829	ug/l	93
45) 1,2-Dichloropropane	9.216	63	99599	99.688	ug/l	98
46) Dibromomethane	9.301	93	58860	96.791	ug/l	99
47) Bromodichloromethane	9.496	83	144172	98.184	ug/l	98
48) Methyl methacrylate	9.289	41	87347	98.773	ug/l	93
49) 1,4-Dioxane	9.301	88	17190	1987.245	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	545504	477.668	ug/l	97
52) Toluene	10.240	92	230281	100.100	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	157359	102.272	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	165505	100.303	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	84191	97.889	ug/l	99
56) Ethyl methacrylate	10.508	69	126793	105.512	ug/l	94
57) 1,3-Dichloropropane	10.789	76	142668	98.348	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	275606	505.669	ug/l	98
59) 2-Hexanone	10.831	43	406153	482.254	ug/l	97
60) Dibromochloromethane	10.984	129	107240	100.203	ug/l	100
61) 1,2-Dibromoethane	11.087	107	78951	96.166	ug/l	98
64) Tetrachloroethene	10.721	164	80585	94.859	ug/l	97
65) Chlorobenzene	11.514	112	257951	98.372	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	103317	99.067	ug/l	99
67) Ethyl Benzene	11.593	91	464513	102.057	ug/l	99
68) m/p-Xylenes	11.703	106	351505	202.961	ug/l	98
69) o-Xylene	12.026	106	169736	103.109	ug/l	99
70) Styrene	12.044	104	292579	104.220	ug/l	98
71) Bromoform	12.209	173	73634	98.388	ug/l #	98
73) Isopropylbenzene	12.325	105	459647	103.439	ug/l	100
74) N-amyl acetate	12.142	43	170963	100.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	112531	94.737	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	80834m	90.563	ug/l	
77) Bromobenzene	12.605	156	111719	98.811	ug/l	99
78) n-propylbenzene	12.672	91	559877	102.356	ug/l	100
79) 2-Chlorotoluene	12.752	91	313834	100.762	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	377599	102.740	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	40610	97.195	ug/l	96
82) 4-Chlorotoluene	12.855	91	327822	100.796	ug/l	98
83) tert-Butylbenzene	13.075	119	340951	103.769	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	372579	101.960	ug/l	99
85) sec-Butylbenzene	13.252	105	497648	103.060	ug/l	99
86) p-Isopropyltoluene	13.367	119	411788	101.737	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	212160	95.827	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	214177	94.867	ug/l	99
89) n-Butylbenzene	13.697	91	391693	103.242	ug/l	100
90) Hexachloroethane	13.959	117	84204	98.125	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	197628	96.882	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	19824	87.580	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	124864	99.203	ug/l	99
94) Hexachlorobutadiene	15.111	225	68497	92.162	ug/l	99
95) Naphthalene	15.233	128	281162	99.177	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	111555	94.949	ug/l	99

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

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