

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060923\
 Data File : VY014092.D
 Acq On : 09 Jun 2023 12:15
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 09 17:40:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 17:38:57 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 06/12/2023
 Supervised By :Mahesh Dadoda 06/12/2023

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	225147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	341495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	310832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	161345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	273061	87.095	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 174.200%#			
35) Dibromofluoromethane	7.716	113	228401	94.310	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 188.620%#			
50) Toluene-d8	10.179	98	813360	89.833	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 179.660%#			
62) 4-Bromofluorobenzene	12.477	95	298978	92.957	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 185.920%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	229739	91.558	ug/l	97
3) Chloromethane	2.113	50	275792	86.683	ug/l	99
4) Vinyl Chloride	2.247	62	282817	91.429	ug/l	99
5) Bromomethane	2.650	94	232046	90.919	ug/l	99
6) Chloroethane	2.790	64	194086	92.337	ug/l	99
7) Trichlorofluoromethane	3.125	101	474136	94.350	ug/l	100
8) Diethyl Ether	3.528	74	158062	94.196	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	244476	96.394	ug/l	100
10) Methyl Iodide	4.089	142	348522	104.069	ug/l	99
11) Tert butyl alcohol	4.973	59	167260	493.764	ug/l #	84
12) 1,1-Dichloroethene	3.869	96	241574	93.973	ug/l	98
13) Acrolein	3.735	56	74493	484.602	ug/l	95
14) Allyl chloride	4.479	41	429132	92.093	ug/l	97
15) Acrylonitrile	5.162	53	422365	487.992	ug/l	100
16) Acetone	3.954	43	497028	525.928	ug/l	99
17) Carbon Disulfide	4.192	76	769708	92.400	ug/l	100
18) Methyl Acetate	4.479	43	340333	92.779	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	745573	98.337	ug/l	100
20) Methylene Chloride	4.716	84	274996	94.324	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	269344	93.940	ug/l	98
22) Diisopropyl ether	6.119	45	866935	97.170	ug/l	97
23) Vinyl Acetate	6.058	43	2688588	510.746	ug/l	100
24) 1,1-Dichloroethane	6.015	63	485255	94.334	ug/l	99
25) 2-Butanone	6.984	43	618991	532.092	ug/l	98
26) 2,2-Dichloropropane	6.978	77	462770	95.783	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	309103	96.371	ug/l	100
28) Bromochloromethane	7.332	49	195182	93.304	ug/l	99
29) Tetrahydrofuran	7.350	42	379180	514.024	ug/l	99
30) Chloroform	7.509	83	510649	93.572	ug/l	95
31) Cyclohexane	7.783	56	398243	94.821	ug/l	97
32) 1,1,1-Trichloroethane	7.698	97	467009	94.882	ug/l	99
36) 1,1-Dichloropropene	7.917	75	373735	98.986	ug/l	100
37) Ethyl Acetate	7.070	43	273157	104.854	ug/l	100
38) Carbon Tetrachloride	7.899	117	430124	98.720	ug/l	98
39) Methylcyclohexane	9.179	83	442415	105.611	ug/l	100
40) Benzene	8.161	78	1088138	96.920	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	156500m	114.759	ug/l	
42) 1,2-Dichloroethane	8.234	62	385053	96.985	ug/l	100
43) Isopropyl Acetate	8.271	43	475446	104.128	ug/l	99
44) Trichloroethene	8.941	130	290035	96.690	ug/l	96
45) 1,2-Dichloropropane	9.216	63	278319	97.597	ug/l	98
46) Dibromomethane	9.301	93	173441	98.805	ug/l	99
47) Bromodichloromethane	9.496	83	403639	98.206	ug/l	98
48) Methyl methacrylate	9.289	41	227976	107.049	ug/l	99
49) 1,4-Dioxane	9.313	88	48633	2111.351	ug/l #	46
51) 4-Methyl-2-Pentanone	10.069	43	1318774	531.629	ug/l	100
52) Toluene	10.240	92	682886	98.119	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	437619	101.142	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	467424	99.014	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	226585	97.318	ug/l	99
56) Ethyl methacrylate	10.508	69	338300	105.342	ug/l	100
57) 1,3-Dichloropropane	10.789	76	393867	98.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	748526	490.522	ug/l	99
59) 2-Hexanone	10.831	43	991289	553.281	ug/l	100
60) Dibromochloromethane	10.984	129	297975	99.992	ug/l	99
61) 1,2-Dibromoethane	11.087	107	229525	99.887	ug/l	99
64) Tetrachloroethene	10.715	164	259620	97.991	ug/l	96
65) Chlorobenzene	11.514	112	732247	98.041	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	290412	98.858	ug/l	99
67) Ethyl Benzene	11.587	91	1339893	102.491	ug/l	99
68) m/p-Xylenes	11.697	106	1021958	203.232	ug/l	99
69) o-Xylene	12.026	106	488492	102.750	ug/l	99
70) Styrene	12.038	104	836505	103.093	ug/l	99
71) Bromoform	12.203	173	205524	102.156	ug/l #	100
73) Isopropylbenzene	12.325	105	1276132	103.680	ug/l	100
74) N-amyl acetate	12.142	43	426140	109.254	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.581	83	281813	102.467	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	200987m	97.783	ug/l	
77) Bromobenzene	12.605	156	322707	99.754	ug/l	97
78) n-propylbenzene	12.666	91	1552902	103.295	ug/l	100
79) 2-Chlorotoluene	12.752	91	878497	101.556	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	1067035	101.246	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	105058	107.282	ug/l	98
82) 4-Chlorotoluene	12.849	91	914225	99.732	ug/l	99
83) tert-Butylbenzene	13.075	119	936497	104.566	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	1063641	101.956	ug/l	99
85) sec-Butylbenzene	13.252	105	1346019	103.374	ug/l	100
86) p-Isopropyltoluene	13.367	119	1131179	101.508	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	609272	98.642	ug/l	100
88) 1,4-Dichlorobenzene	13.441	146	598916	96.239	ug/l	100
89) n-Butylbenzene	13.690	91	1066267	103.162	ug/l	99
90) Hexachloroethane	13.959	117	220429	99.267	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	548481	98.871	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	54774	104.583	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	365846	104.104	ug/l	99
94) Hexachlorobutadiene	15.111	225	202391	99.756	ug/l	98
95) Naphthalene	15.233	128	793627	111.261	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	327769	103.217	ug/l	99

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

