

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014401.D
 Acq On : 23 Jun 2023 11:50
 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 23 13:03:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 12:54:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 06/26/2023
 Supervised By :Mahesh Dadoda 06/26/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	275050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	408198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	382700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	203696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	332367	97.326	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 194.660%#			
35) Dibromofluoromethane	7.722	113	257985	102.296	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 204.600%#			
50) Toluene-d8	10.185	98	1023385	102.083	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 204.160%#			
62) 4-Bromofluorobenzene	12.483	95	361545	101.019	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 202.040%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	226039	88.533	ug/l	96
3) Chloromethane	2.113	50	236848	94.794	ug/l	99
4) Vinyl Chloride	2.253	62	262367	96.346	ug/l	97
5) Bromomethane	2.631	94	210625	88.029	ug/l	97
6) Chloroethane	2.790	64	174839	96.928	ug/l	96
7) Trichlorofluoromethane	3.125	101	511475	95.132	ug/l	100
8) Diethyl Ether	3.527	74	156474	95.456	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.899	101	249410	98.153	ug/l	98
10) Methyl Iodide	4.094	142	346326	100.075	ug/l	96
11) Tert butyl alcohol	4.960	59	208621	476.128	ug/l #	83
12) 1,1-Dichloroethene	3.875	96	251681	99.325	ug/l	94
13) Acrolein	3.729	56	218709	475.161	ug/l	100
14) Allyl chloride	4.479	41	412870	102.021	ug/l	93
15) Acrylonitrile	5.161	53	438050	477.901	ug/l	100
16) Acetone	3.948	43	533611	496.576	ug/l	96
17) Carbon Disulfide	4.198	76	782066	99.735	ug/l	98
18) Methyl Acetate	4.479	43	338472	91.623	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	793434	101.804	ug/l	98
20) Methylene Chloride	4.716	84	292412	99.753	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	281896	101.178	ug/l	98
22) Diisopropyl ether	6.125	45	835607	103.902	ug/l	94
23) Vinyl Acetate	6.064	43	2154002m	507.158	ug/l	
24) 1,1-Dichloroethane	6.021	63	479336	100.371	ug/l	99
25) 2-Butanone	6.990	43	644459	481.507	ug/l	97
26) 2,2-Dichloropropane	6.984	77	490486	97.132	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	312913	99.770	ug/l	98
28) Bromochloromethane	7.338	49	199895	95.977	ug/l	88
29) Tetrahydrofuran	7.356	42	391736	490.852	ug/l	93
30) Chloroform	7.508	83	533570	99.045	ug/l	98
31) Cyclohexane	7.789	56	405928	96.234	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	511652	99.779	ug/l	98
36) 1,1-Dichloropropene	7.923	75	393509	101.255	ug/l	99
37) Ethyl Acetate	7.076	43	261097	97.486	ug/l	97
38) Carbon Tetrachloride	7.905	117	483210	98.804	ug/l	99
39) Methylcyclohexane	9.185	83	461421	103.198	ug/l	96
40) Benzene	8.167	78	1121491	101.887	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	143050m	107.073	ug/l	
42) 1,2-Dichloroethane	8.240	62	410804	98.438	ug/l	100
43) Isopropyl Acetate	8.277	43	477122	100.887	ug/l	98
44) Trichloroethene	8.941	130	310351	98.205	ug/l	96
45) 1,2-Dichloropropane	9.222	63	262747	101.239	ug/l	98
46) Dibromomethane	9.307	93	175685	99.058	ug/l	96
47) Bromodichloromethane	9.502	83	415335	100.473	ug/l	97
48) Methyl methacrylate	9.295	41	224176	102.061	ug/l	97
49) 1,4-Dioxane	9.301	88	51789	1867.514	ug/l #	62
51) 4-Methyl-2-Pentanone	10.075	43	1335354	500.292	ug/l	98
52) Toluene	10.246	92	729848	103.053	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	463131	103.337	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	476644	103.108	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	238747	100.528	ug/l	95
56) Ethyl methacrylate	10.514	69	355521	104.821	ug/l	98
57) 1,3-Dichloropropane	10.794	76	402045	100.647	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	823701	518.458	ug/l	95
59) 2-Hexanone	10.837	43	1028822	511.524	ug/l	98
60) Dibromochloromethane	10.990	129	318433	101.076	ug/l	100
61) 1,2-Dibromoethane	11.093	107	240695	101.791	ug/l	99
64) Tetrachloroethene	10.721	164	310291	95.280	ug/l	97
65) Chlorobenzene	11.520	112	786419	100.025	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	313918	99.120	ug/l	99
67) Ethyl Benzene	11.593	91	1456680	104.046	ug/l	100
68) m/p-Xylenes	11.703	106	1124569	205.654	ug/l	99
69) o-Xylene	12.032	106	538111	103.419	ug/l	99
70) Styrene	12.044	104	927063	103.954	ug/l	99
71) Bromoform	12.209	173	231501	98.904	ug/l	99
73) Isopropylbenzene	12.331	105	1433844	104.538	ug/l	100
74) N-amyl acetate	12.148	43	464246	106.875	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	293570	100.152	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	263572m	102.910	ug/l	
77) Bromobenzene	12.611	156	358236	100.451	ug/l	96
78) n-propylbenzene	12.672	91	1724606	104.221	ug/l	99
79) 2-Chlorotoluene	12.758	91	980487	103.750	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1223248	103.096	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	115877	103.246	ug/l	98
82) 4-Chlorotoluene	12.855	91	1029851	102.295	ug/l	100
83) tert-Butylbenzene	13.075	119	1072539	105.442	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	1220802	103.835	ug/l	99
85) sec-Butylbenzene	13.257	105	1521033	103.404	ug/l	99
86) p-Isopropyltoluene	13.373	119	1320772	103.706	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	694430	100.954	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	686621	99.290	ug/l	100
89) n-Butylbenzene	13.696	91	1218352	104.700	ug/l	98
90) Hexachloroethane	13.965	117	243477	100.492	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	630758	100.445	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	62283	96.137	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	422575	103.577	ug/l	98
94) Hexachlorobutadiene	15.111	225	240751	98.238	ug/l	98
95) Naphthalene	15.239	128	915432	104.364	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	378444	101.872	ug/l	99

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

