

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031523\
 Data File : VX034527.D
 Acq On : 15 Mar 2023 22:38
 Operator : JC/MD
 Sample : 01880-04MSD 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20230309MSD

Quant Time: Mar 16 05:27:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/16/2023
 Supervised By : Mahesh Dadoda 03/16/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	264391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	462360	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	430307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	217299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	206787	53.762	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.520%			
35) Dibromofluoromethane	5.385	113	156639	51.311	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.620%			
50) Toluene-d8	8.647	98	575899	50.535	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.080%			
62) 4-Bromofluorobenzene	11.079	95	234396	50.921	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	108874	44.172	ug/l	98
3) Chloromethane	1.301	50	163296	43.567	ug/l	98
4) Vinyl Chloride	1.374	62	151703	45.202	ug/l	99
5) Bromomethane	1.599	94	79657	47.041	ug/l	97
6) Chloroethane	1.672	64	97107	50.253	ug/l	98
7) Trichlorofluoromethane	1.880	101	242255	48.039	ug/l	98
8) Diethyl Ether	2.130	74	95302	51.769	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	138617	47.166	ug/l	99
10) Methyl Iodide	2.447	142	193374	50.116	ug/l	97
11) Tert butyl alcohol	2.965	59	219420	273.941	ug/l	100
12) 1,1-Dichloroethene	2.313	96	137964	47.666	ug/l	95
13) Acrolein	2.233	56	211562	333.879	ug/l	98
14) Allyl chloride	2.660	41	263439	44.894	ug/l	97
15) Acrylonitrile	3.062	53	449059	259.534	ug/l	99
16) Acetone	2.380	43	404409	223.205	ug/l	97
17) Carbon Disulfide	2.508	76	322316	39.571	ug/l	99
18) Methyl Acetate	2.703	43	295664	49.942	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	507339	48.956	ug/l	98
20) Methylene Chloride	2.788	84	159690	45.413	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	142286	46.289	ug/l	98
22) Diisopropyl ether	3.757	45	541882	48.435	ug/l	97
23) Vinyl Acetate	3.721	43	2144405	251.848	ug/l	99
24) 1,1-Dichloroethane	3.605	63	288010	47.889	ug/l	99
25) 2-Butanone	4.550	43	656734	253.324	ug/l	99
26) 2,2-Dichloropropane	4.471	77	211501	40.458	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	176762	47.770	ug/l	99
28) Bromochloromethane	4.898	49	145840	52.154	ug/l	99
29) Tetrahydrofuran	5.001	42	424469	265.342	ug/l	99
30) Chloroform	5.093	83	298725	50.672	ug/l	98
31) Cyclohexane	5.471	56	236069	43.762	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	254246	48.717	ug/l	99
36) 1,1-Dichloropropene	5.690	75	205280	43.781	ug/l	98
37) Ethyl Acetate	4.709	43	252765	49.346	ug/l	99
38) Carbon Tetrachloride	5.678	117	209875	44.994	ug/l	97
39) Methylcyclohexane	7.379	83	227938	40.622	ug/l	96
40) Benzene	6.038	78	630641	45.977	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	141296	50.333	ug/l	99
42) 1,2-Dichloroethane	6.086	62	252942	50.176	ug/l	98
43) Isopropyl Acetate	6.336	43	421020	48.518	ug/l	100
44) Trichloroethene	7.123	130	538893	151.209	ug/l	97
45) 1,2-Dichloropropane	7.428	63	168227	46.972	ug/l	99
46) Dibromomethane	7.580	93	115358	47.378	ug/l	99
47) Bromodichloromethane	7.818	83	227326	48.240	ug/l	98
48) Methyl methacrylate	7.690	41	209442	50.184	ug/l	98
49) 1,4-Dioxane	7.659	88	104169	1188.345	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	1303572	258.955	ug/l	99
52) Toluene	8.714	92	394552	46.462	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	247614	46.641	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	260633	45.377	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	166672	49.455	ug/l	99
56) Ethyl methacrylate	9.116	69	272299	49.210	ug/l	98
57) 1,3-Dichloropropane	9.305	76	287866	48.060	ug/l	100
59) 2-Hexanone	9.427	43	1013792	260.525	ug/l	99
60) Dibromochloromethane	9.519	129	170212	48.156	ug/l	99
61) 1,2-Dibromoethane	9.610	107	174328	47.935	ug/l	100
64) Tetrachloroethene	9.275	164	122724	42.457	ug/l	97
65) Chlorobenzene	10.079	112	420866	44.577	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	156621	45.548	ug/l	99
67) Ethyl Benzene	10.195	91	768377	45.461	ug/l	98
68) m/p-Xylenes	10.299	106	582540	89.721	ug/l	98
69) o-Xylene	10.640	106	291030	44.665	ug/l	98
70) Styrene	10.653	104	492018	46.803	ug/l	99
71) Bromoform	10.799	173	120259	45.434	ug/l	100
73) Isopropylbenzene	10.963	105	755995	45.014	ug/l	100
74) N-amyl acetate	10.842	43	391549	48.675	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	270629	48.290	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	224489m	44.993	ug/l	
77) Bromobenzene	11.195	156	185856	46.125	ug/l	99
78) n-propylbenzene	11.305	91	886161	45.688	ug/l	99
79) 2-Chlorotoluene	11.366	91	549193	45.847	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	649106	46.079	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	76114	41.269	ug/l	95
82) 4-Chlorotoluene	11.451	91	643257	46.620	ug/l	100
83) tert-Butylbenzene	11.713	119	656139	46.197	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	653294	45.378	ug/l	99
85) sec-Butylbenzene	11.890	105	773668	44.557	ug/l	100
86) p-Isopropyltoluene	12.012	119	656698	45.000	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	349527	44.272	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	355236	44.499	ug/l	99
89) n-Butylbenzene	12.329	91	563766	43.456	ug/l	98
90) Hexachloroethane	12.542	117	118052	43.718	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	351779	46.106	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	62818	49.335	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	209620	43.934	ug/l	100
94) Hexachlorobutadiene	13.725	225	77823	40.487	ug/l	99
95) Naphthalene	13.774	128	749685	46.857	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	207226	44.432	ug/l	98

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

