

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054299.D
 Acq On : 26 May 2023 20:34
 Operator : JC/MD
 Sample : 02936-10MSD 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 56BR-20230524MSD

Quant Time: May 30 00:07:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 06:40:51 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/30/2023
 Supervised By :Mahesh Dadoda 05/31/2023

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	202623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.244	114	334788	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	314999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	173298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	142240	53.551	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.100%			
35) Dibromofluoromethane	5.282	113	115862	53.740	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.480%			
50) Toluene-d8	7.893	98	425247	51.856	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.720%			
62) 4-Bromofluorobenzene	10.626	95	158841	49.954	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	129977	57.462	ug/l	99
3) Chloromethane	1.517	50	163909	55.341	ug/l	98
4) Vinyl Chloride	1.604	62	170234	60.240	ug/l	100
5) Bromomethane	1.845	94	77734	49.692	ug/l	94
6) Chloroethane	1.925	64	100815	73.976	ug/l	99
7) Trichlorofluoromethane	2.131	101	214904	55.277	ug/l	97
8) Diethyl Ether	2.372	74	84302	58.573	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.575	101	118677	56.380	ug/l	97
10) Methyl Iodide	2.720	142	146940	57.889	ug/l	95
11) Tert butyl alcohol	3.183	59	158929m	221.507	ug/l	
12) 1,1-Dichloroethene	2.575	96	118947	54.575	ug/l	96
13) Acrolein	2.482	56	157587	211.126	ug/l	98
14) Allyl chloride	2.916	41	205640	54.417	ug/l	90
15) Acrylonitrile	3.305	53	392081	243.730	ug/l	99
16) Acetone	2.623	43	299357	196.616	ug/l	98
17) Carbon Disulfide	2.787	76	348951	54.175	ug/l	99
18) Methyl Acetate	2.941	43	271955	48.919	ug/l	96
19) Methyl tert-butyl Ether	3.356	73	403309	56.531	ug/l	100
20) Methylene Chloride	3.041	84	145667	53.032	ug/l	94
21) trans-1,2-Dichloroethene	3.347	96	130924	56.108	ug/l	97
22) Diisopropyl ether	3.983	45	402082	60.031	ug/l #	76
23) Vinyl Acetate	3.945	43	1432281	293.055	ug/l	98
24) 1,1-Dichloroethane	3.864	63	249083	58.077	ug/l	98
25) 2-Butanone	4.694	43	472061	234.174	ug/l	97
26) 2,2-Dichloropropane	4.655	77	184269	49.164	ug/l	98
27) cis-1,2-Dichloroethene	4.658	96	197891	76.236	ug/l	98
28) Bromochloromethane	4.964	49	113309	57.092	ug/l	83
29) Tetrahydrofuran	5.041	42	309107	243.944	ug/l	94
30) Chloroform	5.083	83	246369	56.511	ug/l	98
31) Cyclohexane	5.382	56	202843	54.083	ug/l	95
32) 1,1,1-Trichloroethane	5.308	97	214612	56.702	ug/l	98
36) 1,1-Dichloropropene	5.520	75	174177	51.436	ug/l	99
37) Ethyl Acetate	4.797	43	182748	44.282	ug/l #	91
38) Carbon Tetrachloride	5.517	117	186028	53.672	ug/l	98
39) Methylcyclohexane	6.758	83	200794	52.351	ug/l	94
40) Benzene	5.768	78	539225	55.826	ug/l	100

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41) Methacrylonitrile	4.964	41	99595	52.217	ug/l	93
42) 1,2-Dichloroethane	5.787	62	191794	54.660	ug/l	99
43) Isopropyl Acetate	5.903	43	290108	50.963	ug/l	98
44) Trichloroethene	6.536	130	370360	137.167	ug/l	94
45) 1,2-Dichloropropane	6.784	63	141713	56.240	ug/l	99
46) Dibromomethane	6.912	93	100395	54.127	ug/l	95
47) Bromodichloromethane	7.099	83	188921	54.464	ug/l	99
48) Methyl methacrylate	6.954	41	138181	54.737	ug/l	92
49) 1,4-Dioxane	6.970	88	63424	870.261	ug/l #	1
51) 4-Methyl-2-Pentanone	7.784	43	927437	244.138	ug/l	99
52) Toluene	7.964	92	328797	53.385	ug/l	100
53) t-1,3-Dichloropropene	8.205	75	210601	53.068	ug/l	98
54) cis-1,3-Dichloropropene	7.600	75	224227	54.142	ug/l	98
55) 1,1,2-Trichloroethane	8.395	97	136265	53.387	ug/l	99
56) Ethyl methacrylate	8.327	69	207509	54.617	ug/l	97
57) 1,3-Dichloropropane	8.568	76	239613	54.513	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.459	63	35653	146.362	ug/l	100
59) 2-Hexanone	8.678	43	710290	236.693	ug/l	100
60) Dibromochloromethane	8.803	129	143955	55.512	ug/l	100
61) 1,2-Dibromoethane	8.919	107	147187	52.986	ug/l	99
64) Tetrachloroethene	8.549	164	132205	55.765	ug/l	99
65) Chlorobenzene	9.440	112	350646	53.248	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.526	131	133501	55.883	ug/l	98
67) Ethyl Benzene	9.565	91	618510	54.938	ug/l	97
68) m/p-Xylenes	9.690	106	475592	111.446	ug/l	93
69) o-Xylene	10.095	106	229093	55.456	ug/l	92
70) Styrene	10.108	104	393078	57.377	ug/l	98
71) Bromoform	10.285	173	112430	54.158	ug/l	100
73) Isopropylbenzene	10.478	105	596537	55.582	ug/l	99
74) N-amyl acetate	10.314	43	248242	54.473	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.777	83	226372	52.126	ug/l	99
76) 1,2,3-Trichloropropane	10.819	75	251420	49.709	ug/l	98
77) Bromobenzene	10.777	156	157268	53.361	ug/l	91
78) n-propylbenzene	10.899	91	725896	55.212	ug/l	98
79) 2-Chlorotoluene	10.980	91	428964	53.891	ug/l	95
80) 1,3,5-Trimethylbenzene	11.083	105	513079	56.215	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.539	75	65939	49.644	ug/l	96
82) 4-Chlorotoluene	11.089	91	501571	53.705	ug/l	95
83) tert-Butylbenzene	11.414	119	490886	53.784	ug/l	94
84) 1,2,4-Trimethylbenzene	11.462	105	508158	55.962	ug/l	98
85) sec-Butylbenzene	11.639	105	631946	54.567	ug/l	99
86) p-Isopropyltoluene	11.787	119	531253	54.539	ug/l	98
87) 1,3-Dichlorobenzene	11.738	146	297986	52.218	ug/l	99
88) 1,4-Dichlorobenzene	11.832	146	301026	50.494	ug/l	98
89) n-Butylbenzene	12.201	91	472196	51.499	ug/l	98
90) Hexachloroethane	12.468	117	92479	53.666	ug/l	92
91) 1,2-Dichlorobenzene	12.208	146	301989	53.793	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.989	75	50171	50.656	ug/l	94
93) 1,2,4-Trichlorobenzene	13.835	180	208835	52.313	ug/l	99
94) Hexachlorobutadiene	14.015	225	91709	49.650	ug/l	99
95) Naphthalene	14.079	128	655517	51.096	ug/l	100
96) 1,2,3-Trichlorobenzene	14.324	180	212519	53.715	ug/l	98

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

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