

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052523\
 Data File : VU054272.D
 Acq On : 25 May 2023 21:10
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU052523

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/26/2023
 Supervised By :Mahesh Dadoda 05/30/2023

Quant Time: May 26 06:42:56 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

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	171677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	275073	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.411	117	269577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	148428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	118011	52.437	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.880%			
35) Dibromofluoromethane	5.282	113	95814	54.089	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.180%			
50) Toluene-d8	7.893	98	354725	52.646	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.300%			
62) 4-Bromofluorobenzene	10.629	95	134787	51.592	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	102332	53.395	ug/l	99
3) Chloromethane	1.520	50	128977	51.397	ug/l	99
4) Vinyl Chloride	1.604	62	124316	51.921	ug/l	98
5) Bromomethane	1.851	94	62756	47.349	ug/l	94
6) Chloroethane	1.922	64	58760	50.889	ug/l	99
7) Trichlorofluoromethane	2.131	101	163628	49.674	ug/l	98
8) Diethyl Ether	2.372	74	63589	52.146	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.575	101	90442	50.711	ug/l	96
10) Methyl Iodide	2.716	142	96259	45.287	ug/l	95
11) Tert butyl alcohol	3.266	59	172149m	283.182	ug/l	
12) 1,1-Dichloroethene	2.575	96	89276	48.345	ug/l	97
13) Acrolein	2.482	56	165012	260.924	ug/l	100
14) Allyl chloride	2.919	41	163623	51.103	ug/l	86
15) Acrylonitrile	3.308	53	390370	286.409	ug/l	99
16) Acetone	2.629	43	319183	247.426	ug/l	99
17) Carbon Disulfide	2.787	76	258814	47.424	ug/l	100
18) Methyl Acetate	2.945	43	267949	56.887	ug/l	94
19) Methyl tert-butyl Ether	3.356	73	311389	51.514	ug/l	99
20) Methylene Chloride	3.038	84	118077	50.736	ug/l	95
21) trans-1,2-Dichloroethene	3.346	96	98442	49.793	ug/l	97
22) Diisopropyl ether	3.983	45	304358	53.632	ug/l #	80
23) Vinyl Acetate	3.948	43	1137822	274.771	ug/l	99
24) 1,1-Dichloroethane	3.861	63	185100	50.938	ug/l	100
25) 2-Butanone	4.697	43	490455	287.155	ug/l	97
26) 2,2-Dichloropropane	4.655	77	144274	45.432	ug/l	98
27) cis-1,2-Dichloroethene	4.662	96	111614	50.749	ug/l	95
28) Bromochloromethane	4.964	49	92250	54.860	ug/l	87
29) Tetrahydrofuran	5.047	42	317624	295.850	ug/l	93
30) Chloroform	5.083	83	185417	50.196	ug/l	98
31) Cyclohexane	5.382	56	156682	49.306	ug/l	95
32) 1,1,1-Trichloroethane	5.308	97	163578	51.009	ug/l	98
36) 1,1-Dichloropropene	5.520	75	131550	47.281	ug/l	99
37) Ethyl Acetate	4.797	43	177713	52.410	ug/l #	93
38) Carbon Tetrachloride	5.517	117	139312	48.919	ug/l	98
39) Methylcyclohexane	6.758	83	155804	49.440	ug/l	93
40) Benzene	5.768	78	407932	51.401	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.964	41	90141	57.520	ug/l	92
42) 1,2-Dichloroethane	5.787	62	144734	50.203	ug/l	98
43) Isopropyl Acetate	5.903	43	249227	53.286	ug/l	99
44) Trichloroethene	6.536	130	108027	48.695	ug/l	93
45) 1,2-Dichloropropane	6.784	63	110435	53.342	ug/l	98
46) Dibromomethane	6.912	93	77133	50.614	ug/l	97
47) Bromodichloromethane	7.099	83	143693	50.419	ug/l	98
48) Methyl methacrylate	6.954	41	114890	55.391	ug/l	94
49) 1,4-Dioxane	6.996	88	69019	1152.621	ug/l #	1
51) 4-Methyl-2-Pentanone	7.787	43	888397	284.630	ug/l	100
52) Toluene	7.964	92	257829	50.951	ug/l	99
53) t-1,3-Dichloropropene	8.205	75	166346	51.016	ug/l	99
54) cis-1,3-Dichloropropene	7.600	75	174722	51.347	ug/l	96
55) 1,1,2-Trichloroethane	8.395	97	109287	52.112	ug/l	98
56) Ethyl methacrylate	8.327	69	168524	53.985	ug/l	96
57) 1,3-Dichloropropane	8.568	76	187982	52.050	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.459	63	42736	213.525	ug/l	99
59) 2-Hexanone	8.681	43	702724	285.008	ug/l	99
60) Dibromochloromethane	8.803	129	111062	52.125	ug/l	99
61) 1,2-Dibromoethane	8.919	107	118118	51.752	ug/l	98
64) Tetrachloroethene	8.549	164	103399	50.963	ug/l	97
65) Chlorobenzene	9.443	112	274131	48.643	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.530	131	103138	50.447	ug/l	99
67) Ethyl Benzene	9.565	91	481059	49.928	ug/l	98
68) m/p-Xylenes	9.687	106	370609	101.478	ug/l	91
69) o-Xylene	10.095	106	182855	51.722	ug/l	94
70) Styrene	10.108	104	309684	52.821	ug/l	97
71) Bromoform	10.288	173	92327	51.967	ug/l	99
73) Isopropylbenzene	10.478	105	471642	51.308	ug/l	99
74) N-amyl acetate	10.314	43	202616	51.911	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.777	83	195492	52.558	ug/l	99
76) 1,2,3-Trichloropropane	10.819	75	229465	52.970	ug/l	99
77) Bromobenzene	10.777	156	126510	50.117	ug/l	91
78) n-propylbenzene	10.899	91	575530	51.110	ug/l	97
79) 2-Chlorotoluene	10.980	91	349909	51.325	ug/l	93
80) 1,3,5-Trimethylbenzene	11.083	105	407481	52.125	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.542	75	60932	53.561	ug/l	98
82) 4-Chlorotoluene	11.092	91	404668	50.589	ug/l	96
83) tert-Butylbenzene	11.414	119	387786	49.607	ug/l	94
84) 1,2,4-Trimethylbenzene	11.462	105	409338	52.633	ug/l	97
85) sec-Butylbenzene	11.639	105	495468	49.951	ug/l	100
86) p-Isopropyltoluene	11.787	119	414903	49.732	ug/l	98
87) 1,3-Dichlorobenzene	11.738	146	234704	48.020	ug/l	98
88) 1,4-Dichlorobenzene	11.832	146	235189	46.060	ug/l	98
89) n-Butylbenzene	12.201	91	364383	46.400	ug/l	98
90) Hexachloroethane	12.468	117	70968	48.084	ug/l	93
91) 1,2-Dichlorobenzene	12.208	146	236432	49.172	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.989	75	46687	55.037	ug/l	93
93) 1,2,4-Trichlorobenzene	13.835	180	157208	46.178	ug/l	99
94) Hexachlorobutadiene	14.015	225	70682	44.760	ug/l	99
95) Naphthalene	14.079	128	521536	47.606	ug/l	100
96) 1,2,3-Trichlorobenzene	14.324	180	156662	46.407	ug/l	99

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

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