

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052523\
 Data File : VU054267.D
 Acq On : 25 May 2023 14:44
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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

Quant Time: May 26 06:01:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052523W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 26 05:59:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.366	168	209786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	335298	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.410	117	322989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	178144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	53783	19.557	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	39.120%#		
35) Dibromofluoromethane	5.282	113	43511	20.151	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.300%#		
50) Toluene-d8	7.893	98	162690	19.809	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	39.620%#		
62) 4-Bromofluorobenzene	10.626	95	61098	19.186	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	38.380%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	48432	20.680	ug/l	96
3) Chloromethane	1.520	50	58747	19.158	ug/l	100
4) Vinyl Chloride	1.604	62	57975	19.815	ug/l	98
5) Bromomethane	1.854	94	32205	19.884	ug/l	97
6) Chloroethane	1.928	64	29156	20.631	ug/l	98
7) Trichlorofluoromethane	2.134	101	78175	19.421	ug/l	97
8) Diethyl Ether	2.372	74	29650	19.897	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.578	101	42355	19.435	ug/l	98
10) Methyl Iodide	2.719	142	44161	18.458	ug/l	94
11) Tert butyl alcohol	3.234	59	72643m	97.437	ug/l	
12) 1,1-Dichloroethene	2.575	96	42620	18.887	ug/l	95
13) Acrolein	2.485	56	72552	93.882	ug/l	100
14) Allyl chloride	2.919	41	74631	19.075	ug/l	89
15) Acrylonitrile	3.311	53	163790	98.341	ug/l	99
16) Acetone	2.633	43	151198	95.915	ug/l	100
17) Carbon Disulfide	2.787	76	120133	18.014	ug/l	100
18) Methyl Acetate	2.948	43	111301	19.337	ug/l	96
19) Methyl tert-butyl Ether	3.356	73	144696	19.589	ug/l	99
20) Methylene Chloride	3.041	84	53329	18.752	ug/l	90
21) trans-1,2-Dichloroethene	3.346	96	46242	19.141	ug/l	93
22) Diisopropyl ether	3.983	45	143205	20.651	ug/l	86
23) Vinyl Acetate	3.948	43	510888	100.962	ug/l	99
24) 1,1-Dichloroethane	3.861	63	86594	19.501	ug/l	99
25) 2-Butanone	4.700	43	209522	100.388	ug/l	100
26) 2,2-Dichloropropane	4.655	77	75090	19.350	ug/l	99
27) cis-1,2-Dichloroethene	4.661	96	52665	19.596	ug/l	95
28) Bromochloromethane	4.967	49	42496	20.681	ug/l	85
29) Tetrahydrofuran	5.050	42	131599	100.310	ug/l	93
30) Chloroform	5.079	83	88526	19.612	ug/l	99
31) Cyclohexane	5.382	56	75302	19.392	ug/l	96
32) 1,1,1-Trichloroethane	5.308	97	77345	19.737	ug/l	98
36) 1,1-Dichloropropene	5.520	75	61771	18.214	ug/l	100
37) Ethyl Acetate	4.800	43	75524	18.272	ug/l #	93
38) Carbon Tetrachloride	5.517	117	66978	19.295	ug/l	98
39) Methylcyclohexane	6.755	83	73323	19.088	ug/l	94
40) Benzene	5.767	78	192017	19.849	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.967	41	38520	20.612	ug/l	94
42) 1,2-Dichloroethane	5.790	62	69796	19.861	ug/l	100
43) Isopropyl Acetate	5.906	43	109974	19.290	ug/l	98
44) Trichloroethene	6.536	130	51316	18.977	ug/l	94
45) 1,2-Dichloropropane	6.783	63	50521	20.019	ug/l	100
46) Dibromomethane	6.912	93	35609	19.169	ug/l	95
47) Bromodichloromethane	7.099	83	68219	19.637	ug/l	100
48) Methyl methacrylate	6.954	41	49375	19.529	ug/l	94
49) 1,4-Dioxane	7.005	88	30821	422.261	ug/l #	1
51) 4-Methyl-2-Pentanone	7.787	43	373816	98.253	ug/l	99
52) Toluene	7.963	92	120740	19.574	ug/l	99
53) t-1,3-Dichloropropene	8.205	75	76473	19.241	ug/l	97
54) cis-1,3-Dichloropropene	7.600	75	80920	19.509	ug/l	99
55) 1,1,2-Trichloroethane	8.394	97	49793	19.479	ug/l	98
56) Ethyl methacrylate	8.327	69	72119	18.953	ug/l	95
57) 1,3-Dichloropropane	8.568	76	85342	19.386	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.462	63	14573	59.734	ug/l	100
59) 2-Hexanone	8.681	43	295279	98.248	ug/l	100
60) Dibromochloromethane	8.803	129	51003	19.638	ug/l	97
61) 1,2-Dibromoethane	8.918	107	55476	19.940	ug/l	98
64) Tetrachloroethene	8.549	164	48544	19.970	ug/l	97
65) Chlorobenzene	9.443	112	130424	19.316	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.529	131	47640	19.448	ug/l	99
67) Ethyl Benzene	9.565	91	222585	19.281	ug/l	97
68) m/p-Xylenes	9.690	106	170566	38.980	ug/l	92
69) o-Xylene	10.095	106	82701	19.524	ug/l	91
70) Styrene	10.111	104	135885	19.344	ug/l	97
71) Bromoform	10.285	173	40334	18.948	ug/l #	98
73) Isopropylbenzene	10.478	105	215139	19.500	ug/l	98
74) N-amyl acetate	10.314	43	89156	19.032	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.777	83	86732	19.428	ug/l	99
76) 1,2,3-Trichloropropane	10.819	75	100378	19.183	ug/l	100
77) Bromobenzene	10.777	156	58961	19.461	ug/l	93
78) n-propylbenzene	10.899	91	260086	19.244	ug/l	97
79) 2-Chlorotoluene	10.979	91	158805	19.408	ug/l	96
80) 1,3,5-Trimethylbenzene	11.082	105	186686	19.898	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.539	75	25677	18.806	ug/l	96
82) 4-Chlorotoluene	11.092	91	184247	19.191	ug/l	97
83) tert-Butylbenzene	11.414	119	177893	18.961	ug/l	95
84) 1,2,4-Trimethylbenzene	11.462	105	179352	19.214	ug/l	99
85) sec-Butylbenzene	11.639	105	226685	19.041	ug/l	100
86) p-Isopropyltoluene	11.787	119	186925	18.668	ug/l	97
87) 1,3-Dichlorobenzene	11.741	146	108085	18.425	ug/l	97
88) 1,4-Dichlorobenzene	11.832	146	111328	18.523	ug/l	96
89) n-Butylbenzene	12.204	91	166288	17.643	ug/l	99
90) Hexachloroethane	12.468	117	32590	18.398	ug/l	94
91) 1,2-Dichlorobenzene	12.208	146	109912	19.046	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.989	75	19670	19.320	ug/l	89
93) 1,2,4-Trichlorobenzene	13.835	180	70247	18.224	ug/l	98
94) Hexachlorobutadiene	14.015	225	34707	18.797	ug/l	98
95) Naphthalene	14.082	128	219983	18.042	ug/l	100
96) 1,2,3-Trichlorobenzene	14.323	180	70032	18.072	ug/l	99

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

