

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052623\
 Data File : VU054277.D
 Acq On : 26 May 2023 11:53
 Operator : JC/MD
 Sample : VU0526WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0526WBSD01

Manual Integrations
 APPROVED

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

Quant Time: May 29 23:59:08 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	223166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	350323	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	339473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	187656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	149606	51.139	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.280%			
35) Dibromofluoromethane	5.282	113	119324	52.892	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.780%			
50) Toluene-d8	7.893	98	454223	52.933	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.860%			
62) 4-Bromofluorobenzene	10.626	95	169818	51.038	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	47991	19.263	ug/l	95
3) Chloromethane	1.520	50	60903	18.670	ug/l	98
4) Vinyl Chloride	1.604	62	58317	18.737	ug/l	99
5) Bromomethane	1.858	94	34728	20.157	ug/l	99
6) Chloroethane	1.932	64	29778	19.839	ug/l	98
7) Trichlorofluoromethane	2.134	101	79157	18.486	ug/l	99
8) Diethyl Ether	2.375	74	29448	18.577	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.578	101	44268	19.095	ug/l	98
10) Methyl Iodide	2.719	142	45673	18.011	ug/l	95
11) Tert butyl alcohol	3.243	59	71578m	90.578	ug/l	
12) 1,1-Dichloroethene	2.578	96	42821	17.839	ug/l	93
13) Acrolein	2.485	56	74906	91.117	ug/l	97
14) Allyl chloride	2.922	41	75836	18.220	ug/l	88
15) Acrylonitrile	3.311	53	168481	95.092	ug/l	98
16) Acetone	2.636	43	142458	84.953	ug/l	99
17) Carbon Disulfide	2.790	76	120472	16.982	ug/l	99
18) Methyl Acetate	2.948	43	113366	18.515	ug/l	95
19) Methyl tert-butyl Ether	3.359	73	142564	18.143	ug/l	99
20) Methylene Chloride	3.044	84	54382	17.976	ug/l	96
21) trans-1,2-Dichloroethene	3.346	96	47419	18.451	ug/l	96
22) Diisopropyl ether	3.986	45	142467	19.312	ug/l #	83
23) Vinyl Acetate	3.951	43	518498	96.323	ug/l	98
24) 1,1-Dichloroethane	3.864	63	88817	18.803	ug/l	99
25) 2-Butanone	4.703	43	206517	93.016	ug/l	99
26) 2,2-Dichloropropane	4.658	77	73581	17.825	ug/l	99
27) cis-1,2-Dichloroethene	4.661	96	53941	18.868	ug/l	96
28) Bromochloromethane	4.967	49	46347	21.203	ug/l	86
29) Tetrahydrofuran	5.050	42	132688	95.077	ug/l	92
30) Chloroform	5.083	83	89073	18.550	ug/l	97
31) Cyclohexane	5.382	56	78221	18.936	ug/l	96
32) 1,1,1-Trichloroethane	5.311	97	75716	18.163	ug/l	99
36) 1,1-Dichloropropene	5.520	75	63298	17.864	ug/l	98
37) Ethyl Acetate	4.800	43	76397	17.691	ug/l #	92
38) Carbon Tetrachloride	5.520	117	67291	18.554	ug/l	95
39) Methylcyclohexane	6.758	83	74909	18.664	ug/l	91
40) Benzene	5.767	78	194469	19.240	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.970	41	38283	19.181	ug/l	94
42) 1,2-Dichloroethane	5.790	62	70813	19.286	ug/l	98
43) Isopropyl Acetate	5.906	43	110036	18.473	ug/l	98
44) Trichloroethene	6.539	130	52326	18.520	ug/l	96
45) 1,2-Dichloropropane	6.783	63	50927	19.315	ug/l	97
46) Dibromomethane	6.912	93	36631	18.874	ug/l	94
47) Bromodichloromethane	7.099	83	67692	18.650	ug/l	100
48) Methyl methacrylate	6.957	41	50330	19.053	ug/l	93
49) 1,4-Dioxane	6.999	88	27962m	366.661	ug/l	
51) 4-Methyl-2-Pentanone	7.787	43	376712	94.768	ug/l	99
52) Toluene	7.963	92	121997	18.930	ug/l	100
53) t-1,3-Dichloropropene	8.205	75	77645	18.698	ug/l	98
54) cis-1,3-Dichloropropene	7.603	75	80812	18.647	ug/l	99
55) 1,1,2-Trichloroethane	8.394	97	50647	18.963	ug/l	98
56) Ethyl methacrylate	8.330	69	73689	18.535	ug/l	98
57) 1,3-Dichloropropane	8.568	76	87989	19.130	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.459	63	13280	52.099	ug/l	100
59) 2-Hexanone	8.681	43	292796	93.243	ug/l	99
60) Dibromochloromethane	8.803	129	50648	18.665	ug/l	100
61) 1,2-Dibromoethane	8.918	107	55257	19.010	ug/l	98
64) Tetrachloroethene	8.549	164	49442	19.351	ug/l	96
65) Chlorobenzene	9.443	112	131393	18.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.529	131	49733	19.317	ug/l	95
67) Ethyl Benzene	9.565	91	226900	18.701	ug/l	97
68) m/p-Xylenes	9.687	106	177919	38.686	ug/l	96
69) o-Xylene	10.095	106	83596	18.777	ug/l	92
70) Styrene	10.111	104	141494	19.165	ug/l	98
71) Bromoform	10.285	173	41070	18.357	ug/l #	100
73) Isopropylbenzene	10.478	105	221980	19.100	ug/l	97
74) N-amyl acetate	10.314	43	93141	18.875	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.777	83	89653	19.065	ug/l	100
76) 1,2,3-Trichloropropane	10.819	75	99336	18.137	ug/l	99
77) Bromobenzene	10.777	156	60412	18.929	ug/l	93
78) n-propylbenzene	10.899	91	272786	19.161	ug/l	98
79) 2-Chlorotoluene	10.979	91	163808	19.005	ug/l	96
80) 1,3,5-Trimethylbenzene	11.082	105	191431	19.369	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.542	75	25997	18.075	ug/l	95
82) 4-Chlorotoluene	11.092	91	191965	18.982	ug/l	96
83) tert-Butylbenzene	11.414	119	184097	18.627	ug/l	95
84) 1,2,4-Trimethylbenzene	11.462	105	186063	18.923	ug/l	98
85) sec-Butylbenzene	11.639	105	237731	18.957	ug/l	99
86) p-Isopropyltoluene	11.787	119	196042	18.586	ug/l	98
87) 1,3-Dichlorobenzene	11.741	146	112789	18.252	ug/l	98
88) 1,4-Dichlorobenzene	11.832	146	116420	18.034	ug/l	98
89) n-Butylbenzene	12.204	91	177430	17.871	ug/l	97
90) Hexachloroethane	12.468	117	33911	18.173	ug/l	90
91) 1,2-Dichlorobenzene	12.208	146	113543	18.678	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.989	75	20692	19.294	ug/l	92
93) 1,2,4-Trichlorobenzene	13.835	180	77409	18.988	ug/l	99
94) Hexachlorobutadiene	14.015	225	35336	18.195	ug/l	99
95) Naphthalene	14.082	128	239035	18.527	ug/l	99
96) 1,2,3-Trichlorobenzene	14.323	180	78580	19.168	ug/l	98

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

