

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048712.D
 Acq On : 27 May 2022 23:17
 Operator : SY/MD
 Sample : VU0527WBSD02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0527WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/31/2022
 Supervised By : Mahesh Dadoda 05/31/2022

Quant Time: May 28 00:28:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.375	168	264614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	445352	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	424760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	224978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	197043	49.583	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.160%		
35) Dibromofluoromethane	5.288	113	153934	48.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.900%		
50) Toluene-d8	7.899	98	553872	48.631	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.260%		
62) 4-Bromofluorobenzene	10.632	95	215557	50.044	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	54463	17.979	ug/l	99
3) Chloromethane	1.523	50	71392	18.307	ug/l	97
4) Vinyl Chloride	1.604	62	70943	19.642	ug/l	98
5) Bromomethane	1.851	94	45063	19.756	ug/l	97
6) Chloroethane	1.932	64	41247	19.277	ug/l	96
7) Trichlorofluoromethane	2.137	101	98156	19.029	ug/l	97
8) Diethyl Ether	2.375	74	36972	19.423	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.581	101	54119	19.167	ug/l	97
10) Methyl Iodide	2.722	142	64575	17.476	ug/l	99
11) Tert butyl alcohol	3.169	59	101815	101.055	ug/l #	42
12) 1,1-Dichloroethene	2.581	96	53165	19.740	ug/l	99
13) Acrolein	2.485	56	23380	66.914	ug/l	100
14) Allyl chloride	2.925	41	101195m	19.399	ug/l	
15) Acrylonitrile	3.311	53	238401	109.102	ug/l	99
16) Acetone	2.623	43	203415	100.439	ug/l	100
17) Carbon Disulfide	2.793	76	145148	18.462	ug/l	99
18) Methyl Acetate	2.948	43	116796	22.969	ug/l	100
19) Methyl tert-butyl Ether	3.362	73	206798	20.237	ug/l	99
20) Methylene Chloride	3.047	84	68718	19.953	ug/l	99
21) trans-1,2-Dichloroethene	3.353	96	58619	19.028	ug/l	91
22) Diisopropyl ether	3.993	45	206216	21.431	ug/l	99
23) Vinyl Acetate	3.954	43	878382	105.362	ug/l	100
24) 1,1-Dichloroethane	3.870	63	121877	20.168	ug/l	100
25) 2-Butanone	4.697	43	323644	111.239	ug/l	99
26) 2,2-Dichloropropane	4.665	77	74838	13.804	ug/l	94
27) cis-1,2-Dichloroethene	4.668	96	69451	19.476	ug/l	96
28) Bromochloromethane	4.973	49	53764	22.682	ug/l	96
29) Tetrahydrofuran	5.047	42	202365	110.422	ug/l	99
30) Chloroform	5.089	83	117063	19.360	ug/l	97
31) Cyclohexane	5.391	56	100392	20.046	ug/l	95
32) 1,1,1-Trichloroethane	5.317	97	106302	19.377	ug/l	99
36) 1,1-Dichloropropene	5.526	75	85350	18.406	ug/l	100
37) Ethyl Acetate	4.803	43	115257	19.661	ug/l	98
38) Carbon Tetrachloride	5.526	117	91051	17.115	ug/l	91
39) Methylcyclohexane	6.764	83	90726	18.660	ug/l	99
40) Benzene	5.774	78	257149	18.784	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.970	41	60680	20.484	ug/l	98
42) 1,2-Dichloroethane	5.793	62	98464	18.373	ug/l	99
43) Isopropyl Acetate	5.909	43	171755	20.186	ug/l	99
44) Trichloroethene	6.542	130	65074	18.450	ug/l	100
45) 1,2-Dichloropropane	6.793	63	72726	21.101	ug/l	98
46) Dibromomethane	6.918	93	49169	19.095	ug/l	99
47) Bromodichloromethane	7.105	83	94107	18.072	ug/l	97
48) Methyl methacrylate	6.960	41	79062	20.699	ug/l	98
49) 1,4-Dioxane	6.960	88	34121	399.612	ug/l	96
51) 4-Methyl-2-Pentanone	7.790	43	604468	109.411	ug/l	99
52) Toluene	7.970	92	156337	19.092	ug/l	98
53) t-1,3-Dichloropropene	8.211	75	102861	18.312	ug/l	98
54) cis-1,3-Dichloropropene	7.607	75	106783	18.345	ug/l	99
55) 1,1,2-Trichloroethane	8.401	97	68944	19.077	ug/l	99
56) Ethyl methacrylate	8.333	69	106614	20.306	ug/l	99
57) 1,3-Dichloropropane	8.574	76	116702	19.186	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.462	63	82760	86.220	ug/l	99
59) 2-Hexanone	8.684	43	460351	101.496	ug/l	100
60) Dibromochloromethane	8.809	129	74475	18.384	ug/l	100
61) 1,2-Dibromoethane	8.925	107	72649	18.253	ug/l	99
64) Tetrachloroethene	8.552	164	55658	18.164	ug/l	97
65) Chlorobenzene	9.446	112	174547	19.429	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.536	131	67008	19.650	ug/l	98
67) Ethyl Benzene	9.571	91	306116	20.203	ug/l	99
68) m/p-Xylenes	9.693	106	237234	40.032	ug/l	99
69) o-Xylene	10.098	106	112701	19.357	ug/l	98
70) Styrene	10.114	104	196707	20.541	ug/l	99
71) Bromoform	10.291	173	60079	19.055	ug/l #	100
73) Isopropylbenzene	10.484	105	303169	20.873	ug/l	100
74) N-amyl acetate	10.320	43	139773	20.537	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.783	83	121850	20.558	ug/l	98
76) 1,2,3-Trichloropropane	10.822	75	141747	19.541	ug/l	99
77) Bromobenzene	10.780	156	79481	20.376	ug/l	98
78) n-propylbenzene	10.905	91	364036	21.034	ug/l	99
79) 2-Chlorotoluene	10.986	91	220074	20.448	ug/l	100
80) 1,3,5-Trimethylbenzene	11.089	105	262251	20.763	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.545	75	34172	17.105	ug/l	99
82) 4-Chlorotoluene	11.098	91	252992	20.373	ug/l	99
83) tert-Butylbenzene	11.420	119	253504	20.912	ug/l	99
84) 1,2,4-Trimethylbenzene	11.468	105	266694	20.313	ug/l	99
85) sec-Butylbenzene	11.642	105	319589	21.073	ug/l	98
86) p-Isopropyltoluene	11.793	119	272224	20.902	ug/l	99
87) 1,3-Dichlorobenzene	11.745	146	148319	19.394	ug/l	98
88) 1,4-Dichlorobenzene	11.838	146	151230	19.140	ug/l	98
89) n-Butylbenzene	12.211	91	237564	19.612	ug/l	100
90) Hexachloroethane	12.474	117	47977	18.050	ug/l	97
91) 1,2-Dichlorobenzene	12.214	146	152419	19.728	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.995	75	33241	19.478	ug/l	96
93) 1,2,4-Trichlorobenzene	13.841	180	96537	19.041	ug/l	99
94) Hexachlorobutadiene	14.021	225	40988	16.867	ug/l	97
95) Naphthalene	14.089	128	344460	20.999	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	98529	19.621	ug/l	99

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

