

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049422.D
 Acq On : 27 Jun 2022 23:32
 Operator : SY/MD
 Sample : VU0627WBS02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/28/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 28 05:30:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 05:14:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.372	168	267168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	470415	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	420803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	195090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	196962	47.870	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.740%		
35) Dibromofluoromethane	5.288	113	159172	48.364	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.720%		
50) Toluene-d8	7.896	98	574597	48.949	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.900%		
62) 4-Bromofluorobenzene	10.632	95	212204	47.191	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	76929	17.919	ug/l	97
3) Chloromethane	1.523	50	88733	16.365	ug/l	97
4) Vinyl Chloride	1.604	62	81319	18.814	ug/l	99
5) Bromomethane	1.848	94	30329	22.566	ug/l	99
6) Chloroethane	1.925	64	46379	24.284	ug/l	98
7) Trichlorofluoromethane	2.134	101	98720	17.921	ug/l	99
8) Diethyl Ether	2.375	74	40059	20.132	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.578	101	59521	20.083	ug/l	95
10) Methyl Iodide	2.719	142	73540	28.968	ug/l	95
11) Tert butyl alcohol	3.192	59	123163m	127.888	ug/l	
12) 1,1-Dichloroethene	2.578	96	59764	20.596	ug/l	93
13) Acrolein	2.485	56	50409	77.292	ug/l	99
14) Allyl chloride	2.922	41	113051	19.277	ug/l #	88
15) Acrylonitrile	3.314	53	236776	102.226	ug/l	99
16) Acetone	2.629	43	193423	93.218	ug/l	99
17) Carbon Disulfide	2.790	76	165746	18.315	ug/l	99
18) Methyl Acetate	2.948	43	111177	19.793	ug/l	92
19) Methyl tert-butyl Ether	3.362	73	219187	20.309	ug/l	97
20) Methylene Chloride	3.044	84	74549	21.155	ug/l	92
21) trans-1,2-Dichloroethene	3.353	96	63547	20.315	ug/l	93
22) Diisopropyl ether	3.989	45	224659	20.064	ug/l	85
23) Vinyl Acetate	3.954	43	971318	98.971	ug/l	94
24) 1,1-Dichloroethane	3.867	63	127414	19.810	ug/l	96
25) 2-Butanone	4.703	43	316133	101.663	ug/l	96
26) 2,2-Dichloropropane	4.661	77	78726	14.707	ug/l	100
27) cis-1,2-Dichloroethene	4.665	96	74189	20.527	ug/l	93
28) Bromochloromethane	4.973	49	56139	19.969	ug/l #	78
29) Tetrahydrofuran	5.050	42	214325	100.470	ug/l	88
30) Chloroform	5.089	83	123478	19.408	ug/l	98
31) Cyclohexane	5.388	56	118806	19.230	ug/l	94
32) 1,1,1-Trichloroethane	5.314	97	105136	19.046	ug/l	99
36) 1,1-Dichloropropene	5.526	75	88624	18.571	ug/l	98
37) Ethyl Acetate	4.803	43	121539	18.638	ug/l #	95
38) Carbon Tetrachloride	5.523	117	89997	17.982	ug/l	98
39) Methylcyclohexane	6.761	83	108503	18.969	ug/l	91
40) Benzene	5.774	78	275308	19.108	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	61936	18.955	ug/l #	90
42) 1,2-Dichloroethane	5.793	62	97173	18.122	ug/l	99
43) Isopropyl Acetate	5.912	43	179077	18.742	ug/l	97
44) Trichloroethene	6.542	130	64941	18.961	ug/l	88
45) 1,2-Dichloropropane	6.790	63	74236	18.595	ug/l	98
46) Dibromomethane	6.919	93	50138	18.837	ug/l	90
47) Bromodichloromethane	7.105	83	93209	18.194	ug/l	99
48) Methyl methacrylate	6.960	41	86161	19.242	ug/l	88
49) 1,4-Dioxane	6.980	88	49545	431.876	ug/l #	1
51) 4-Methyl-2-Pentanone	7.790	43	596023	93.206	ug/l	96
52) Toluene	7.967	92	163580	19.102	ug/l	98
53) t-1,3-Dichloropropene	8.211	75	98689	17.959	ug/l	98
54) cis-1,3-Dichloropropene	7.607	75	108808	18.544	ug/l	96
55) 1,1,2-Trichloroethane	8.401	97	67614	19.097	ug/l	97
56) Ethyl methacrylate	8.333	69	116929	19.746	ug/l	93
57) 1,3-Dichloropropane	8.574	76	118361	18.845	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.462	63	51728	118.930	ug/l	95
59) 2-Hexanone	8.684	43	470162	93.495	ug/l	95
60) Dibromochloromethane	8.809	129	68281	18.545	ug/l	100
61) 1,2-Dibromoethane	8.922	107	73189	18.969	ug/l	98
64) Tetrachloroethene	8.552	164	52011	19.270	ug/l	94
65) Chlorobenzene	9.446	112	166628	19.369	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.533	131	63660	19.616	ug/l	98
67) Ethyl Benzene	9.568	91	311031	19.694	ug/l	97
68) m/p-Xylenes	9.693	106	229464	39.267	ug/l	89
69) o-Xylene	10.099	106	114489	19.735	ug/l	88
70) Styrene	10.115	104	185840	19.937	ug/l	96
71) Bromoform	10.291	173	51893	18.644	ug/l #	99
73) Isopropylbenzene	10.484	105	304466	21.908	ug/l	95
74) N-amyl acetate	10.320	43	149790	20.365	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.783	83	120282	20.432	ug/l	99
76) 1,2,3-Trichloropropane	10.822	75	129867	19.637	ug/l	97
77) Bromobenzene	10.780	156	70591	20.809	ug/l	86
78) n-propylbenzene	10.906	91	347820	20.597	ug/l	97
79) 2-Chlorotoluene	10.986	91	214800	20.646	ug/l	92
80) 1,3,5-Trimethylbenzene	11.086	105	252137	20.782	ug/l	95
81) trans-1,4-Dichloro-2-b...	10.545	75	32256	18.012	ug/l	93
82) 4-Chlorotoluene	11.095	91	236583	20.218	ug/l	92
83) tert-Butylbenzene	11.420	119	253375	21.232	ug/l	93
84) 1,2,4-Trimethylbenzene	11.465	105	253333	21.254	ug/l	94
85) sec-Butylbenzene	11.642	105	308067	20.533	ug/l	97
86) p-Isopropyltoluene	11.793	119	251749	20.748	ug/l	97
87) 1,3-Dichlorobenzene	11.745	146	127548	19.667	ug/l	97
88) 1,4-Dichlorobenzene	11.835	146	125653	19.276	ug/l	95
89) n-Butylbenzene	12.208	91	216223	19.251	ug/l	98
90) Hexachloroethane	12.475	117	44620	18.463	ug/l	82
91) 1,2-Dichlorobenzene	12.211	146	129932	19.939	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.995	75	29931	19.828	ug/l	83
93) 1,2,4-Trichlorobenzene	13.838	180	84482	20.395	ug/l	98
94) Hexachlorobutadiene	14.021	225	36663	18.137	ug/l	98
95) Naphthalene	14.085	128	329306	22.548	ug/l	100
96) 1,2,3-Trichlorobenzene	14.330	180	86946	20.061	ug/l	97

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

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