

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062722\
 Data File : VU049404.D
 Acq On : 27 Jun 2022 14:34
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU062722

Quant Time: Jun 27 19:04:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 27 14:37:12 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	171394	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.247	114	300918	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	278810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	145873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	140532	53.240	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.480%			
35) Dibromofluoromethane	5.285	113	107190	50.914	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.820%			
50) Toluene-d8	7.896	98	374233	49.838	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.680%			
62) 4-Bromofluorobenzene	10.636	95	149339	51.918	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.840%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	142074	51.585	ug/l	98
3) Chloromethane	1.520	50	175344	52.097	ug/l	99
4) Vinyl Chloride	1.600	62	145332	52.413	ug/l	99
5) Bromomethane	1.838	94	42700	49.524	ug/l	95
6) Chloroethane	1.906	64	57304	44.998	ug/l	99
7) Trichlorofluoromethane	2.112	101	174303	49.324	ug/l	98
8) Diethyl Ether	2.372	74	65735	51.495	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.565	101	96473	50.739	ug/l	94
10) Methyl Iodide	2.710	142	78376	43.156	ug/l	92
11) Tert butyl alcohol	3.285	59	159143	257.589	ug/l	# 53
12) 1,1-Dichloroethene	2.565	96	94379	50.699	ug/l	89
13) Acrolein	2.485	56	99623	238.109	ug/l	99
14) Allyl chloride	2.912	41	198552	52.775	ug/l	# 88
15) Acrylonitrile	3.314	53	389801	262.334	ug/l	100
16) Acetone	2.633	43	313785	235.730	ug/l	97
17) Carbon Disulfide	2.777	76	278157	47.913	ug/l	100
18) Methyl Acetate	2.948	43	188452	52.299	ug/l	90
19) Methyl tert-butyl Ether	3.366	73	367675	53.104	ug/l	99
20) Methylene Chloride	3.038	84	119907	54.175	ug/l	88
21) trans-1,2-Dichloroethene	3.343	96	102178	50.917	ug/l	90
22) Diisopropyl ether	3.993	45	388009	54.017	ug/l	# 70
23) Vinyl Acetate	3.951	43	1715999	272.555	ug/l	# 93
24) 1,1-Dichloroethane	3.861	63	217184	52.637	ug/l	96
25) 2-Butanone	4.706	43	520822	261.080	ug/l	93
26) 2,2-Dichloropropane	4.658	77	168262	48.997	ug/l	99
27) cis-1,2-Dichloroethene	4.661	96	123242	53.154	ug/l	88
28) Bromochloromethane	4.970	49	97044	53.807	ug/l	# 74
29) Tetrahydrofuran	5.054	42	354094	258.745	ug/l	# 86
30) Chloroform	5.086	83	207003	50.717	ug/l	96
31) Cyclohexane	5.382	56	193732	48.880	ug/l	89
32) 1,1,1-Trichloroethane	5.311	97	182785	51.614	ug/l	99
36) 1,1-Dichloropropene	5.520	75	147437	48.298	ug/l	97
37) Ethyl Acetate	4.803	43	214620	51.451	ug/l	97
38) Carbon Tetrachloride	5.520	117	154266	48.186	ug/l	99
39) Methylcyclohexane	6.761	83	179943	49.178	ug/l	# 88
40) Benzene	5.771	78	463138	50.252	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	105099	50.283	ug/l	89
42) 1,2-Dichloroethane	5.793	62	174122	50.762	ug/l	98
43) Isopropyl Acetate	5.915	43	312008	51.047	ug/l	95
44) Trichloroethene	6.539	130	106714	48.707	ug/l	83
45) 1,2-Dichloropropane	6.790	63	128578	50.349	ug/l	99
46) Dibromomethane	6.915	93	86173	50.611	ug/l	88
47) Bromodichloromethane	7.105	83	165208	50.413	ug/l	100
48) Methyl methacrylate	6.960	41	149199	52.087	ug/l	86
49) 1,4-Dioxane	6.986	88	73465	1001.089	ug/l #	1
51) 4-Methyl-2-Pentanone	7.800	43	1069606	261.479	ug/l	94
52) Toluene	7.967	92	271772	49.613	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	182068	51.794	ug/l	100
54) cis-1,3-Dichloropropene	7.607	75	194021	51.693	ug/l	94
55) 1,1,2-Trichloroethane	8.401	97	116987	51.653	ug/l	98
56) Ethyl methacrylate	8.337	69	202820	53.542	ug/l	90
57) 1,3-Dichloropropane	8.578	76	204315	50.854	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.462	63	75024	253.617	ug/l	92
59) 2-Hexanone	8.693	43	836235	259.958	ug/l	93
60) Dibromochloromethane	8.812	129	124227	52.745	ug/l	99
61) 1,2-Dibromoethane	8.925	107	124384	50.396	ug/l	100
64) Tetrachloroethene	8.552	164	82770	46.285	ug/l	93
65) Chlorobenzene	9.446	112	280561	49.222	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.536	131	111248	51.738	ug/l	99
67) Ethyl Benzene	9.571	91	519830	49.677	ug/l	96
68) m/p-Xylenes	9.693	106	381851	98.624	ug/l	89
69) o-Xylene	10.102	106	194552	50.616	ug/l	88
70) Styrene	10.115	104	323905	52.446	ug/l	94
71) Bromoform	10.295	173	99451	53.927	ug/l #	99
73) Isopropylbenzene	10.484	105	502912	48.397	ug/l	97
74) N-amyl acetate	10.324	43	286375	52.070	ug/l	91
75) 1,1,2,2-Tetrachloroethane	10.787	83	221665	50.358	ug/l	100
76) 1,2,3-Trichloropropane	10.825	75	209717m	42.410	ug/l	
77) Bromobenzene	10.783	156	125699	49.557	ug/l	84
78) n-propylbenzene	10.906	91	615058	48.711	ug/l	95
79) 2-Chlorotoluene	10.986	91	379771	48.818	ug/l	91
80) 1,3,5-Trimethylbenzene	11.089	105	446744	49.245	ug/l	94
81) trans-1,4-Dichloro-2-b...	10.549	75	67420	50.349	ug/l	91
82) 4-Chlorotoluene	11.099	91	426895	48.791	ug/l	93
83) tert-Butylbenzene	11.420	119	443804	49.738	ug/l	92
84) 1,2,4-Trimethylbenzene	11.468	105	448283	50.300	ug/l	95
85) sec-Butylbenzene	11.645	105	550836	49.101	ug/l	96
86) p-Isopropyltoluene	11.793	119	447515	49.327	ug/l	95
87) 1,3-Dichlorobenzene	11.748	146	231880	47.818	ug/l	97
88) 1,4-Dichlorobenzene	11.838	146	230476	47.287	ug/l	97
89) n-Butylbenzene	12.208	91	390385	46.484	ug/l	97
90) Hexachloroethane	12.478	117	90039	49.827	ug/l	82
91) 1,2-Dichlorobenzene	12.214	146	237502	48.744	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.996	75	55528	49.196	ug/l	78
93) 1,2,4-Trichlorobenzene	13.841	180	147766	45.359	ug/l	97
94) Hexachlorobutadiene	14.021	225	70875	46.892	ug/l	99
95) Naphthalene	14.086	128	511515	44.970	ug/l	100
96) 1,2,3-Trichlorobenzene	14.330	180	152118	45.363	ug/l	97

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

