

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102621\
 Data File : VU045401.D
 Acq On : 26 Oct 2021 14:41
 Operator : SY/MD
 Sample : VU1026WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1026WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2021
 Supervised By : Mahesh Dadoda 10/27/2021

Quant Time: Oct 26 16:04:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.378	168	189527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	344747	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	316032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	148794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	164074	52.006	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.020%			
35) Dibromofluoromethane	5.292	113	118185	54.343	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.680%			
50) Toluene-d8	7.899	98	449271	52.284	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.560%			
62) 4-Bromofluorobenzene	10.635	95	165210	46.569	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	49604	21.135	ug/l	98
3) Chloromethane	1.520	50	59015	19.413	ug/l	98
4) Vinyl Chloride	1.604	62	59297	19.535	ug/l	98
5) Bromomethane	1.854	94	29331	24.634	ug/l	98
6) Chloroethane	1.925	64	38418	16.475	ug/l	99
7) Trichlorofluoromethane	2.134	101	72564	18.102	ug/l	99
8) Diethyl Ether	2.379	74	34433	18.743	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.581	101	44550	19.542	ug/l	97
10) Methyl Iodide	2.723	142	56855	23.366	ug/l	95
11) Tert butyl alcohol	3.205	59	68246m	75.370	ug/l	
12) 1,1-Dichloroethene	2.581	96	42567	18.943	ug/l	95
13) Acrolein	2.491	56	20346	116.928	ug/l	100
14) Allyl chloride	2.925	41	80076	19.256	ug/l	96
15) Acrylonitrile	3.321	53	162072	88.752	ug/l	99
16) Acetone	2.636	43	160686	85.805	ug/l	98
17) Carbon Disulfide	2.793	76	118481	17.862	ug/l	99
18) Methyl Acetate	2.951	43	105442	19.265	ug/l	97
19) Methyl tert-butyl Ether	3.369	73	170406	19.645	ug/l	99
20) Methylene Chloride	3.047	84	53849	19.091	ug/l	94
21) trans-1,2-Dichloroethene	3.356	96	46671	18.986	ug/l	94
22) Diisopropyl ether	3.999	45	166869	19.655	ug/l	94
23) Vinyl Acetate	3.961	43	639131	92.560	ug/l	98
24) 1,1-Dichloroethane	3.874	63	94858	19.463	ug/l	99
25) 2-Butanone	4.710	43	220415	82.842	ug/l	99
26) 2,2-Dichloropropane	4.671	77	78609	19.077	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	54970	18.934	ug/l	99
28) Bromochloromethane	4.977	49	44038	21.800	ug/l	94
29) Tetrahydrofuran	5.057	42	137327	86.705	ug/l	98
30) Chloroform	5.092	83	93025	18.937	ug/l	100
31) Cyclohexane	5.391	56	90635	18.912	ug/l	95
32) 1,1,1-Trichloroethane	5.321	97	75759	18.691	ug/l	97
36) 1,1-Dichloropropene	5.530	75	68636	19.038	ug/l	99
37) Ethyl Acetate	4.806	43	81373	17.059	ug/l	97
38) Carbon Tetrachloride	5.530	117	59941	19.214	ug/l	97
39) Methylcyclohexane	6.767	83	85912	19.411	ug/l	96
40) Benzene	5.777	78	204366	19.033	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	43364	17.658	ug/l	96
42) 1,2-Dichloroethane	5.796	62	78351	18.565	ug/l	99
43) Isopropyl Acetate	5.915	43	127758	17.802	ug/l	98
44) Trichloroethene	6.546	130	46848	18.505	ug/l	97
45) 1,2-Dichloropropane	6.793	63	55593	19.528	ug/l	99
46) Dibromomethane	6.922	93	36851	19.216	ug/l	98
47) Bromodichloromethane	7.108	83	71581	19.224	ug/l	98
48) Methyl methacrylate	6.964	41	59074	16.911	ug/l	95
49) 1,4-Dioxane	6.993	88	30615	316.724	ug/l #	94
51) 4-Methyl-2-Pentanone	7.796	43	409956	78.468	ug/l	98
52) Toluene	7.973	92	127324	18.946	ug/l	98
53) t-1,3-Dichloropropene	8.214	75	79757	18.731	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	86524	19.508	ug/l	96
55) 1,1,2-Trichloroethane	8.404	97	51797	18.498	ug/l	97
56) Ethyl methacrylate	8.337	69	84413	16.781	ug/l	95
57) 1,3-Dichloropropane	8.578	76	92994	18.609	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	135120	92.822	ug/l	96
59) 2-Hexanone	8.690	43	319535	75.105	ug/l	97
60) Dibromochloromethane	8.812	129	49356	18.076	ug/l	100
61) 1,2-Dibromoethane	8.928	107	54445	18.292	ug/l	99
64) Tetrachloroethene	8.555	164	39346	19.075	ug/l	98
65) Chlorobenzene	9.449	112	126024	19.020	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.539	131	44934	19.424	ug/l	98
67) Ethyl Benzene	9.574	91	234350	19.221	ug/l	100
68) m/p-Xylenes	9.697	106	176401	37.240	ug/l	97
69) o-Xylene	10.102	106	87690	18.653	ug/l	99
70) Styrene	10.118	104	143500	18.195	ug/l	99
71) Bromoform	10.295	173	35254	16.659	ug/l #	98
73) Isopropylbenzene	10.488	105	227291	20.513	ug/l	100
74) N-amyl acetate	10.324	43	108354	19.421	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.787	83	89947	18.761	ug/l	100
76) 1,2,3-Trichloropropane	10.828	75	76218m	17.562	ug/l	
77) Bromobenzene	10.783	156	51823	19.368	ug/l	99
78) n-propylbenzene	10.909	91	271786	20.128	ug/l	100
79) 2-Chlorotoluene	10.989	91	164707	19.460	ug/l	100
80) 1,3,5-Trimethylbenzene	11.092	105	193552	19.939	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	27770	17.757	ug/l	98
82) 4-Chlorotoluene	11.098	91	187538	19.603	ug/l	99
83) tert-Butylbenzene	11.423	119	184927	19.586	ug/l	99
84) 1,2,4-Trimethylbenzene	11.471	105	192631	20.059	ug/l	100
85) sec-Butylbenzene	11.648	105	242371	19.934	ug/l	100
86) p-Isopropyltoluene	11.796	119	197335	20.176	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	98657	19.254	ug/l	100
88) 1,4-Dichlorobenzene	11.838	146	99625	19.006	ug/l	98
89) n-Butylbenzene	12.214	91	178538	19.819	ug/l	99
90) Hexachloroethane	12.478	117	34268	19.402	ug/l	99
91) 1,2-Dichlorobenzene	12.217	146	99241	18.947	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	13.002	75	20164	17.825	ug/l	98
93) 1,2,4-Trichlorobenzene	13.844	180	61750	21.154	ug/l	100
94) Hexachlorobutadiene	14.024	225	24671	20.247	ug/l	99
95) Naphthalene	14.089	128	223881	20.392	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	63753	21.747	ug/l	99

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

