

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111121\
 Data File : VU045731.D
 Acq On : 11 Nov 2021 12:17
 Operator : SY/MD
 Sample : VU1111WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1111WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 12 06:05:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.375	168	112110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	200424	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	191570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	96357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	88741	52.854	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.700%			
35) Dibromofluoromethane	5.292	113	69021	51.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.160%			
50) Toluene-d8	7.902	98	255506	51.350	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.700%			
62) 4-Bromofluorobenzene	10.635	95	97366	48.798	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.600%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	27757	19.096	ug/l	100
3) Chloromethane	1.523	50	31740	19.084	ug/l	99
4) Vinyl Chloride	1.604	62	32261	19.913	ug/l	98
5) Bromomethane	1.851	94	19968	22.097	ug/l	97
6) Chloroethane	1.932	64	19852	18.776	ug/l	98
7) Trichlorofluoromethane	2.137	101	44657	20.845	ug/l	100
8) Diethyl Ether	2.379	74	16866	19.888	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.581	101	26128	20.886	ug/l	98
10) Methyl Iodide	2.723	142	27323	16.690	ug/l	92
11) Tert butyl alcohol	3.176	59	34537	103.926	ug/l	98
12) 1,1-Dichloroethene	2.581	96	23945	19.414	ug/l	96
13) Acrolein	2.485	56	4794	99.547	ug/l	97
14) Allyl chloride	2.925	41	42925	19.491	ug/l	97
15) Acrylonitrile	3.314	53	93649	105.548	ug/l	98
16) Acetone	2.623	43	83340	97.510	ug/l	97
17) Carbon Disulfide	2.793	76	60123	17.403	ug/l	99
18) Methyl Acetate	2.948	43	58951	20.251	ug/l	98
19) Methyl tert-butyl Ether	3.366	73	89170	20.084	ug/l	99
20) Methylene Chloride	3.047	84	29820	20.080	ug/l	94
21) trans-1,2-Dichloroethene	3.356	96	26363	20.545	ug/l	95
22) Diisopropyl ether	3.993	45	90803	20.998	ug/l	96
23) Vinyl Acetate	3.957	43	340233	102.298	ug/l	100
24) 1,1-Dichloroethane	3.870	63	53455	20.744	ug/l	99
25) 2-Butanone	4.700	43	124111	104.699	ug/l	99
26) 2,2-Dichloropropane	4.668	77	43356	20.304	ug/l	97
27) cis-1,2-Dichloroethene	4.671	96	30958	20.541	ug/l	100
28) Bromochloromethane	4.977	49	25424	20.695	ug/l	96
29) Tetrahydrofuran	5.050	42	75220	103.738	ug/l	99
30) Chloroform	5.092	83	54013	21.194	ug/l	100
31) Cyclohexane	5.391	56	47344	19.326	ug/l	94
32) 1,1,1-Trichloroethane	5.321	97	45232	20.812	ug/l	97
36) 1,1-Dichloropropene	5.530	75	38039	19.464	ug/l	99
37) Ethyl Acetate	4.806	43	45215	20.141	ug/l	98
38) Carbon Tetrachloride	5.530	117	38549	19.566	ug/l	98
39) Methylcyclohexane	6.764	83	44815	18.692	ug/l	98
40) Benzene	5.777	78	113987	19.701	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	24671	20.796	ug/l	98
42) 1,2-Dichloroethane	5.796	62	42655	20.410	ug/l	100
43) Isopropyl Acetate	5.912	43	66863	19.473	ug/l	100
44) Trichloroethene	6.546	130	28750	20.759	ug/l	97
45) 1,2-Dichloropropane	6.793	63	31710	20.712	ug/l	96
46) Dibromomethane	6.919	93	21615	20.376	ug/l	99
47) Bromodichloromethane	7.108	83	41837	20.786	ug/l	99
48) Methyl methacrylate	6.960	41	31011	19.622	ug/l	100
49) 1,4-Dioxane	6.964	88	16967	417.464	ug/l #	97
51) 4-Methyl-2-Pentanone	7.793	43	231044	102.004	ug/l	99
52) Toluene	7.973	92	72832	20.561	ug/l	100
53) t-1,3-Dichloropropene	8.211	75	42121	18.209	ug/l	97
54) cis-1,3-Dichloropropene	7.610	75	48536	19.754	ug/l	95
55) 1,1,2-Trichloroethane	8.404	97	30581	20.830	ug/l	98
56) Ethyl methacrylate	8.337	69	45128	18.731	ug/l	97
57) 1,3-Dichloropropane	8.578	76	53353	20.177	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	98464	72.851	ug/l	99
59) 2-Hexanone	8.684	43	172928	92.631	ug/l	98
60) Dibromochloromethane	8.812	129	30935	20.236	ug/l	100
61) 1,2-Dibromoethane	8.925	107	31403	19.944	ug/l	99
64) Tetrachloroethene	8.555	164	24399	22.190	ug/l	94
65) Chlorobenzene	9.449	112	74468	19.790	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.536	131	26911	20.052	ug/l	99
67) Ethyl Benzene	9.574	91	132378	19.644	ug/l	100
68) m/p-Xylenes	9.697	106	105021	41.324	ug/l	97
69) o-Xylene	10.102	106	50604	20.481	ug/l	98
70) Styrene	10.118	104	84046	20.107	ug/l	98
71) Bromoform	10.295	173	22208	19.491	ug/l #	100
73) Isopropylbenzene	10.488	105	134988	21.441	ug/l	100
74) N-amyl acetate	10.320	43	50917	17.927	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.787	83	52131	20.899	ug/l	99
76) 1,2,3-Trichloropropane	10.828	75	44770m	15.321	ug/l	
77) Bromobenzene	10.783	156	31408	20.547	ug/l	96
78) n-propylbenzene	10.909	91	160430	20.474	ug/l	99
79) 2-Chlorotoluene	10.989	91	98191	21.210	ug/l	100
80) 1,3,5-Trimethylbenzene	11.092	105	115564	21.009	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	14157	17.914	ug/l	99
82) 4-Chlorotoluene	11.098	91	112369	20.697	ug/l	99
83) tert-Butylbenzene	11.423	119	110396	21.053	ug/l	99
84) 1,2,4-Trimethylbenzene	11.471	105	113108	20.689	ug/l	99
85) sec-Butylbenzene	11.645	105	145436	20.913	ug/l	100
86) p-Isopropyltoluene	11.796	119	118377	20.370	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	60634	19.660	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	61330	19.661	ug/l	98
89) n-Butylbenzene	12.211	91	104801	18.721	ug/l	99
90) Hexachloroethane	12.478	117	19365	18.472	ug/l	99
91) 1,2-Dichlorobenzene	12.214	146	61076	20.354	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	11137	18.922	ug/l	97
93) 1,2,4-Trichlorobenzene	13.841	180	37729	18.185	ug/l	99
94) Hexachlorobutadiene	14.024	225	16459	18.378	ug/l	98
95) Naphthalene	14.089	128	134554	17.925	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	39342	19.091	ug/l	98

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

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