

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110821\
 Data File : VU045634.D
 Acq On : 08 Nov 2021 23:13
 Operator : SY/MD
 Sample : VU1108WBSD02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/09/2021
 Supervised By : Mahesh Dadoda 11/15/2021

Quant Time: Nov 09 10:07:20 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	136366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	246814	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	239638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	120587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	109307	53.523	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.040%			
35) Dibromofluoromethane	5.292	113	84566	51.319	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	7.899	98	323139	52.736	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.480%			
62) 4-Bromofluorobenzene	10.635	95	125595	51.115	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	34072	19.271	ug/l	99
3) Chloromethane	1.523	50	37809	18.690	ug/l	99
4) Vinyl Chloride	1.604	62	40332	20.467	ug/l	99
5) Bromomethane	1.851	94	25342	23.056	ug/l	98
6) Chloroethane	1.932	64	24781	19.269	ug/l	97
7) Trichlorofluoromethane	2.141	101	52172	20.021	ug/l	99
8) Diethyl Ether	2.379	74	21574	20.915	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.581	101	30062	19.757	ug/l	95
10) Methyl Iodide	2.726	142	33687	16.918	ug/l	93
11) Tert butyl alcohol	3.173	59	46278	114.486	ug/l	99
12) 1,1-Dichloroethene	2.581	96	29434	19.619	ug/l	96
13) Acrolein	2.488	56	7566	129.163	ug/l	95
14) Allyl chloride	2.925	41	52943	19.763	ug/l	98
15) Acrylonitrile	3.314	53	113881	105.520	ug/l	97
16) Acetone	2.626	43	92857	89.320	ug/l	98
17) Carbon Disulfide	2.793	76	78080	18.581	ug/l	99
18) Methyl Acetate	2.948	43	73506	20.759	ug/l	100
19) Methyl tert-butyl Ether	3.366	73	112623	20.855	ug/l	99
20) Methylene Chloride	3.047	84	37603	20.817	ug/l	99
21) trans-1,2-Dichloroethene	3.356	96	32528	20.841	ug/l	99
22) Diisopropyl ether	3.996	45	111125	21.127	ug/l	98
23) Vinyl Acetate	3.957	43	426796	105.500	ug/l	100
24) 1,1-Dichloroethane	3.874	63	65477	20.890	ug/l	99
25) 2-Butanone	4.703	43	147819	102.518	ug/l	99
26) 2,2-Dichloropropane	4.668	77	45642	17.573	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	38723	21.123	ug/l	97
28) Bromochloromethane	4.976	49	30144	20.172	ug/l	97
29) Tetrahydrofuran	5.054	42	94486	107.130	ug/l	98
30) Chloroform	5.092	83	65327	21.074	ug/l	98
31) Cyclohexane	5.391	56	59567	19.990	ug/l	98
32) 1,1,1-Trichloroethane	5.321	97	55354	20.939	ug/l	97
36) 1,1-Dichloropropene	5.530	75	46511	19.326	ug/l	98
37) Ethyl Acetate	4.803	43	55554	20.095	ug/l	98
38) Carbon Tetrachloride	5.526	117	46980	19.363	ug/l	98
39) Methylcyclohexane	6.767	83	54446	18.441	ug/l	94
40) Benzene	5.777	78	138783	19.478	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	29866	20.443	ug/l	97
42) 1,2-Dichloroethane	5.796	62	52761	20.500	ug/l	99
43) Isopropyl Acetate	5.912	43	85636	20.252	ug/l	99
44) Trichloroethene	6.546	130	34477	20.215	ug/l	98
45) 1,2-Dichloropropane	6.793	63	37379	19.826	ug/l	99
46) Dibromomethane	6.922	93	26623	20.380	ug/l	98
47) Bromodichloromethane	7.108	83	50106	20.215	ug/l	97
48) Methyl methacrylate	6.960	41	39573	20.333	ug/l	97
49) 1,4-Dioxane	6.964	88	22834	456.221	ug/l #	93
51) 4-Methyl-2-Pentanone	7.793	43	287341	103.015	ug/l	99
52) Toluene	7.970	92	89706	20.564	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	53456	18.766	ug/l	98
54) cis-1,3-Dichloropropene	7.610	75	58858	19.453	ug/l	97
55) 1,1,2-Trichloroethane	8.404	97	36827	20.370	ug/l	99
56) Ethyl methacrylate	8.333	69	57967	19.433	ug/l	98
57) 1,3-Dichloropropane	8.578	76	65543	20.128	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	127739	76.747	ug/l	99
59) 2-Hexanone	8.684	43	220932	95.819	ug/l	98
60) Dibromochloromethane	8.812	129	37929	20.148	ug/l	98
61) 1,2-Dibromoethane	8.925	107	39046	20.137	ug/l	98
64) Tetrachloroethene	8.555	164	28544	20.753	ug/l	98
65) Chlorobenzene	9.449	112	94994	20.181	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.539	131	32820	19.550	ug/l	99
67) Ethyl Benzene	9.571	91	169275	20.081	ug/l	99
68) m/p-Xylenes	9.697	106	131833	41.469	ug/l	98
69) o-Xylene	10.102	106	63070	20.406	ug/l	99
70) Styrene	10.118	104	106377	20.345	ug/l	99
71) Bromoform	10.295	173	27783	19.492	ug/l #	99
73) Isopropylbenzene	10.488	105	166076	21.078	ug/l	99
74) N-amyl acetate	10.320	43	71606	20.146	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.783	83	63521	20.348	ug/l	100
76) 1,2,3-Trichloropropane	10.825	75	63518m	17.369	ug/l	
77) Bromobenzene	10.783	156	40518	21.181	ug/l	95
78) n-propylbenzene	10.909	91	202156	20.615	ug/l	98
79) 2-Chlorotoluene	10.986	91	121891	21.039	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	142649	20.722	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	18225	18.342	ug/l	98
82) 4-Chlorotoluene	11.098	91	140338	20.655	ug/l	99
83) tert-Butylbenzene	11.423	119	135352	20.626	ug/l	99
84) 1,2,4-Trimethylbenzene	11.471	105	143468	20.969	ug/l	99
85) sec-Butylbenzene	11.645	105	179113	20.580	ug/l	100
86) p-Isopropyltoluene	11.796	119	148296	20.391	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	77678	20.125	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	78179	20.027	ug/l	98
89) n-Butylbenzene	12.211	91	133529	19.060	ug/l	99
90) Hexachloroethane	12.478	117	25308	19.290	ug/l	97
91) 1,2-Dichlorobenzene	12.214	146	78130	20.806	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	14622	19.851	ug/l	94
93) 1,2,4-Trichlorobenzene	13.841	180	51443	19.813	ug/l	99
94) Hexachlorobutadiene	14.024	225	20191	18.015	ug/l	98
95) Naphthalene	14.089	128	186012	19.693	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	52165	20.227	ug/l	99

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

