

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044825.D
 Acq On : 24 Sep 2021 21:39
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 11:02:48 AM

Quant Time: Sep 25 00:59:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092421W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 25 00:57:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.378	168	176333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	318581	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	310328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	172436	50.00	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	442982	154.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	308.82%	
35) Dibromofluoromethane	5.292	113	317734	143.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	287.58%	
50) Toluene-d8	7.902	98	1235746	145.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	291.32%	
62) 4-Bromofluorobenzene	10.639	95	501030	149.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	299.86%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	315926	129.02	ug/l	99
3) Chloromethane	1.517	50	421454	127.18	ug/l	99
4) Vinyl Chloride	1.607	62	422578	140.89	ug/l	98
5) Bromomethane	1.842	94	202158	162.01	ug/l	99
7) Trichlorofluoromethane	2.128	101	503552	139.13	ug/l	99
8) Diethyl Ether	2.379	74	243564	161.02	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.575	101	302652	137.83	ug/l	99
10) Methyl Iodide	2.719	142	348771	140.66	ug/l	99
11) Tert butyl alcohol	3.279	59	627104m	797.55	ug/l	
12) 1,1-Dichloroethene	2.578	96	306104	140.38	ug/l	97
13) Acrolein	2.488	56	179497	441.51	ug/l	97
14) Allyl chloride	2.922	41	581016	141.79	ug/l	99
15) Acrylonitrile	3.321	53	1350352	832.71	ug/l	100
16) Acetone	2.636	43	1147557	680.15	ug/l	99
17) Carbon Disulfide	2.790	76	860214	125.11	ug/l	100
18) Methyl Acetate	2.951	43	800331	201.33	ug/l	100
19) Methyl tert-butyl Ether	3.369	73	1190136	172.87	ug/l	99
20) Methylene Chloride	3.047	84	367943	128.53	ug/l	99
21) trans-1,2-Dichloroethene	3.353	96	330028	137.68	ug/l	99
22) Diisopropyl ether	3.999	45	1234471	171.15	ug/l	97
23) Vinyl Acetate	3.961	43	5249450	787.39	ug/l	99
24) 1,1-Dichloroethane	3.874	63	680176	144.74	ug/l	99
25) 2-Butanone	4.710	43	1898204	786.85	ug/l	100
26) 2,2-Dichloropropane	4.668	77	506688	137.94	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	394679	145.83	ug/l	100
28) Bromochloromethane	4.980	49	315527	141.16	ug/l	98
29) Tetrahydrofuran	5.057	42	1214721	902.79	ug/l	100
30) Chloroform	5.092	83	660238	143.85	ug/l	99
31) Cyclohexane	5.391	56	617282	151.58	ug/l	99
32) 1,1,1-Trichloroethane	5.321	97	557962	146.56	ug/l	98
36) 1,1-Dichloropropene	5.530	75	497942	140.39	ug/l	100
37) Ethyl Acetate	4.809	43	714603	163.10	ug/l	100
38) Carbon Tetrachloride	5.530	117	449572	140.32	ug/l	99
39) Methylcyclohexane	6.768	83	601445	156.75	ug/l	98
40) Benzene	5.777	78	1466324	139.31	ug/l	100
41) Methacrylonitrile	4.980	41	371940	166.38	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.800	62	565962	149.48	ug/l	100
43) Isopropyl Acetate	5.919	43	1058221	170.92	ug/l	100
44) Trichloroethene	6.546	130	343083	141.17	ug/l	98
45) 1,2-Dichloropropane	6.796	63	401351	138.94	ug/l	97
46) Dibromomethane	6.922	93	266264	143.25	ug/l	99
47) Bromodichloromethane	7.112	83	537569	147.19	ug/l	99
48) Methyl methacrylate	6.967	41	517864	172.19	ug/l	99
49) 1,4-Dioxane	6.989	88	256312	3269.31	ug/l	98
51) 4-Methyl-2-Pentanone	7.803	43	3897467	872.91	ug/l	99
52) Toluene	7.973	92	916939	147.09	ug/l	100
53) t-1,3-Dichloropropene	8.214	75	622830	157.08	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	648870	151.79	ug/l	99
55) 1,1,2-Trichloroethane	8.404	97	383006	145.53	ug/l	98
56) Ethyl methacrylate	8.340	69	718271	178.46	ug/l	99
57) 1,3-Dichloropropane	8.581	76	688725	147.34	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.468	63	916904	773.93	ug/l	100
59) 2-Hexanone	8.697	43	3183646	892.24	ug/l	98
60) Dibromochloromethane	8.816	129	398473	153.23	ug/l	99
61) 1,2-Dibromoethane	8.928	107	415416	150.08	ug/l	99
64) Tetrachloroethene	8.558	164	296764	138.00	ug/l	99
65) Chlorobenzene	9.452	112	957051	143.79	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.539	131	344890	148.13	ug/l	100
67) Ethyl Benzene	9.574	91	1804752	151.35	ug/l	99
68) m/p-Xylenes	9.697	106	1372282	307.18	ug/l	98
69) o-Xylene	10.105	106	680634	160.15	ug/l	99
70) Styrene	10.118	104	1199849	163.07	ug/l	100
71) Bromoform	10.298	173	328620	167.31	ug/l #	100
73) Isopropylbenzene	10.488	105	1788432	152.99	ug/l	100
74) N-amyl acetate	10.327	43	1037587	192.02	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.790	83	790500	154.63	ug/l	99
76) 1,2,3-Trichloropropane	10.832	75	745985m	131.52	ug/l	
77) Bromobenzene	10.787	156	425104	144.98	ug/l	98
78) n-propylbenzene	10.912	91	2238112	147.98	ug/l	99
79) 2-Chlorotoluene	10.992	91	1312306	146.21	ug/l	100
80) 1,3,5-Trimethylbenzene	11.092	105	1565569	151.55	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.552	75	264838	165.39	ug/l	96
82) 4-Chlorotoluene	11.102	91	1556787	147.68	ug/l	99
83) tert-Butylbenzene	11.426	119	1530124	157.39	ug/l	99
84) 1,2,4-Trimethylbenzene	11.471	105	1578748	152.72	ug/l	100
85) sec-Butylbenzene	11.648	105	2016789	157.34	ug/l	100
86) p-Isopropyltoluene	11.796	119	1670721	154.15	ug/l	100
87) 1,3-Dichlorobenzene	11.751	146	833381	145.68	ug/l	100
88) 1,4-Dichlorobenzene	11.841	146	852131	140.07	ug/l	100
89) n-Butylbenzene	12.211	91	1643739	150.47	ug/l	99
90) Hexachloroethane	12.481	117	298966	170.81	ug/l	99
91) 1,2-Dichlorobenzene	12.217	146	864414	149.13	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	13.002	75	204339	172.35	ug/l	99
93) 1,2,4-Trichlorobenzene	13.844	180	540812	149.63	ug/l	100
94) Hexachlorobutadiene	14.024	225	226963	121.21	ug/l	99
95) Naphthalene	14.089	128	1959465	167.01	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	532619	150.19	ug/l	99

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

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