

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092521\
 Data File : VU044822.D
 Acq On : 24 Sep 2021 20:29
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 11:02:37 AM

Quant Time: Sep 25 00:58:26 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	5.379	168	147578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	264927	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	253555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	127347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	53561	22.307	ug/l	0.00
Spiked Amount 50.000			Recovery	=	44.620%	
35) Dibromofluoromethane	5.295	113	37472	20.392	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.780%	
50) Toluene-d8	7.903	98	140840	19.963	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.920%	
62) 4-Bromofluorobenzene	10.636	95	49850	17.939	ug/l	0.00
Spiked Amount 50.000			Recovery	=	35.880%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	37193	18.148	ug/l	100
3) Chloromethane	1.520	50	53056	19.130	ug/l	99
4) Vinyl Chloride	1.607	62	53230	21.205	ug/l	100
5) Bromomethane	1.845	94	30214	28.932	ug/l	100
6) Chloroethane	1.929	64	34842	21.551	ug/l	99
7) Trichlorofluoromethane	2.138	101	64232	21.206	ug/l	100
8) Diethyl Ether	2.379	74	28845	22.785	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.581	101	37460	20.383	ug/l	99
10) Methyl Iodide	2.726	142	38754	18.674	ug/l	100
11) Tert butyl alcohol	3.192	59	70764	107.534	ug/l	98
12) 1,1-Dichloroethene	2.581	96	35540	19.475	ug/l	97
13) Acrolein	2.491	56	17047	50.101	ug/l	97
14) Allyl chloride	2.929	41	69244	20.191	ug/l	100
15) Acrylonitrile	3.318	53	157930	116.365	ug/l	98
16) Acetone	2.630	43	142010	100.569	ug/l	98
17) Carbon Disulfide	2.797	76	99741	17.333	ug/l	100
18) Methyl Acetate	2.951	43	98506	29.608	ug/l	98
19) Methyl tert-butyl Ether	3.369	73	134448	23.334	ug/l	99
20) Methylene Chloride	3.051	84	45437	18.965	ug/l	95
21) trans-1,2-Dichloroethene	3.356	96	39180	19.530	ug/l	97
22) Diisopropyl ether	3.999	45	141474	23.437	ug/l	99
23) Vinyl Acetate	3.961	43	568679	101.920	ug/l	100
24) 1,1-Dichloroethane	3.874	63	82113	20.878	ug/l	99
25) 2-Butanone	4.707	43	225077	111.479	ug/l	99
26) 2,2-Dichloropropane	4.671	77	59286	19.284	ug/l	99
27) cis-1,2-Dichloroethene	4.674	96	46158	20.378	ug/l	99
28) Bromochloromethane	4.980	49	36375	19.444	ug/l	99
29) Tetrahydrofuran	5.057	42	141605	125.748	ug/l	99
30) Chloroform	5.096	83	81387	21.187	ug/l	97
31) Cyclohexane	5.391	56	74413	21.834	ug/l	97
32) 1,1,1-Trichloroethane	5.321	97	64469	20.234	ug/l	99
36) 1,1-Dichloropropene	5.530	75	57402	19.462	ug/l	99
37) Ethyl Acetate	4.806	43	82194	22.559	ug/l	99
38) Carbon Tetrachloride	5.530	117	51392	19.290	ug/l	99
39) Methylcyclohexane	6.768	83	63494	19.900	ug/l	99
40) Benzene	5.777	78	172342	19.690	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	42735	22.988	ug/l	99
42) 1,2-Dichloroethane	5.800	62	69013	21.919	ug/l	99
43) Isopropyl Acetate	5.916	43	115099	22.355	ug/l	100
44) Trichloroethene	6.546	130	40186	19.885	ug/l	98
45) 1,2-Dichloropropane	6.797	63	48216	20.072	ug/l	96
46) Dibromomethane	6.922	93	31622	20.459	ug/l	98
47) Bromodichloromethane	7.108	83	60336	19.866	ug/l	99
48) Methyl methacrylate	6.964	41	53530	21.403	ug/l	98
49) 1,4-Dioxane	6.973	88	29587	453.819	ug/l	99
51) 4-Methyl-2-Pentanone	7.793	43	412046	110.975	ug/l	100
52) Toluene	7.973	92	106223	20.491	ug/l	98
53) t-1,3-Dichloropropene	8.214	75	62314	18.898	ug/l	100
54) cis-1,3-Dichloropropene	7.610	75	68027	19.137	ug/l	100
55) 1,1,2-Trichloroethane	8.404	97	44378	20.277	ug/l	99
56) Ethyl methacrylate	8.337	69	68464	20.456	ug/l	98
57) 1,3-Dichloropropane	8.581	76	79593	20.476	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.469	63	63441	64.394	ug/l	99
59) 2-Hexanone	8.687	43	330453	111.368	ug/l	99
60) Dibromochloromethane	8.813	129	41585	19.229	ug/l	99
61) 1,2-Dibromoethane	8.928	107	45565	19.796	ug/l	98
64) Tetrachloroethene	8.555	164	36295	20.656	ug/l	97
65) Chlorobenzene	9.449	112	106538	19.590	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.539	131	37466	19.695	ug/l	98
67) Ethyl Benzene	9.575	91	190230	19.525	ug/l	99
68) m/p-Xylenes	9.697	106	148610	40.714	ug/l	99
69) o-Xylene	10.105	106	70885	20.414	ug/l	98
70) Styrene	10.118	104	120797	20.093	ug/l	99
71) Bromoform	10.295	173	30172	18.801	ug/l #	99
73) Isopropylbenzene	10.488	105	188519	21.836	ug/l	99
74) N-amyl acetate	10.324	43	89463	22.418	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	79256	20.992	ug/l	100
76) 1,2,3-Trichloropropane	10.829	75	75462m	18.014	ug/l	
77) Bromobenzene	10.784	156	44680	20.633	ug/l	97
78) n-propylbenzene	10.909	91	225222	20.164	ug/l	100
79) 2-Chlorotoluene	10.989	91	137762	20.783	ug/l	100
80) 1,3,5-Trimethylbenzene	11.092	105	160985	21.101	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	21994	18.598	ug/l	95
82) 4-Chlorotoluene	11.099	91	158760	20.393	ug/l	100
83) tert-Butylbenzene	11.423	119	150111	20.908	ug/l	99
84) 1,2,4-Trimethylbenzene	11.472	105	159038	20.831	ug/l	99
85) sec-Butylbenzene	11.648	105	200725	21.204	ug/l	99
86) p-Isopropyltoluene	11.796	119	164668	20.573	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	84547	20.012	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	86103	19.165	ug/l	98
89) n-Butylbenzene	12.211	91	142853	17.707	ug/l	99
90) Hexachloroethane	12.478	117	27241	21.074	ug/l	97
91) 1,2-Dichlorobenzene	12.214	146	87329	20.401	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	19310	22.053	ug/l	99
93) 1,2,4-Trichlorobenzene	13.844	180	47813	17.912	ug/l	99
94) Hexachlorobutadiene	14.025	225	21615	15.630	ug/l	96
95) Naphthalene	14.089	128	164547	18.991	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	50564	19.306	ug/l	99

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

