

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044931.D
 Acq On : 28 Sep 2021 11:00
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2021
 Supervised By : Mahesh Dadoda 09/30/2021

Quant Time: Sep 28 11:57:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 11:55:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.378	168	158625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	290085	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	272302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	141323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	48140	17.668	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	35.340%#		
35) Dibromofluoromethane	5.292	113	32380	16.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	33.160%#		
50) Toluene-d8	7.902	98	128748	17.346	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	34.700%#		
62) 4-Bromofluorobenzene	10.635	95	49853	17.610	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	35.220%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	38909	20.213	ug/l	99
3) Chloromethane	1.520	50	46359	16.293	ug/l	98
4) Vinyl Chloride	1.607	62	50183	18.618	ug/l	99
5) Bromomethane	1.832	94	19364	14.157	ug/l	97
6) Chloroethane	1.912	64	36978	17.461	ug/l	98
7) Trichlorofluoromethane	2.128	101	64623	19.310	ug/l	97
8) Diethyl Ether	2.379	74	29278	19.192	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.578	101	36103	18.595	ug/l	100
10) Methyl Iodide	2.719	142	36992	17.545	ug/l	99
11) Tert butyl alcohol	3.224	59	69563	85.751	ug/l	100
12) 1,1-Dichloroethene	2.578	96	36034	18.704	ug/l	92
13) Acrolein	2.488	56	11630	54.558	ug/l	99
14) Allyl chloride	2.922	41	65896	17.819	ug/l	96
15) Acrylonitrile	3.317	53	145988	87.474	ug/l	99
16) Acetone	2.629	43	155706	98.328	ug/l	100
17) Carbon Disulfide	2.790	76	100181	18.411	ug/l	99
18) Methyl Acetate	2.951	43	86363	16.745	ug/l	97
19) Methyl tert-butyl Ether	3.369	73	137946	19.168	ug/l	100
20) Methylene Chloride	3.047	84	44632	17.623	ug/l	96
21) trans-1,2-Dichloroethene	3.353	96	38993	18.953	ug/l	96
22) Diisopropyl ether	3.996	45	135383	18.493	ug/l	99
23) Vinyl Acetate	3.957	43	546280	91.142	ug/l	98
24) 1,1-Dichloroethane	3.870	63	78076	18.389	ug/l	99
25) 2-Butanone	4.706	43	217359	91.982	ug/l	97
26) 2,2-Dichloropropane	4.668	77	64457	19.738	ug/l	99
27) cis-1,2-Dichloroethene	4.668	96	45191	18.064	ug/l	99
28) Bromochloromethane	4.976	49	29749	15.067	ug/l	97
29) Tetrahydrofuran	5.054	42	126053	85.877	ug/l	95
30) Chloroform	5.092	83	77452	18.022	ug/l	96
31) Cyclohexane	5.388	56	74866	18.667	ug/l	95
32) 1,1,1-Trichloroethane	5.317	97	63895	18.383	ug/l	99
36) 1,1-Dichloropropene	5.530	75	56936	18.396	ug/l	99
37) Ethyl Acetate	4.806	43	73938	16.565	ug/l	98
38) Carbon Tetrachloride	5.530	117	49477	17.995	ug/l	96
39) Methylcyclohexane	6.764	83	70475	19.919	ug/l	96
40) Benzene	5.777	78	171135	18.191	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.976	41	39234	17.562	ug/l	96
42) 1,2-Dichloroethane	5.796	62	68137	18.371	ug/l	99
43) Isopropyl Acetate	5.915	43	110619	17.493	ug/l	99
44) Trichloroethene	6.546	130	39556	17.468	ug/l	100
45) 1,2-Dichloropropane	6.793	63	44563	17.683	ug/l	98
46) Dibromomethane	6.922	93	30247	17.948	ug/l	100
47) Bromodichloromethane	7.108	83	57537	17.341	ug/l	98
48) Methyl methacrylate	6.964	41	53945	18.075	ug/l	96
49) 1,4-Dioxane	6.973	88	29692	390.040	ug/l	94
51) 4-Methyl-2-Pentanone	7.796	43	413322	91.338	ug/l	99
52) Toluene	7.973	92	103980	18.392	ug/l	99
53) t-1,3-Dichloropropene	8.214	75	64597	18.410	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	69234	18.372	ug/l	96
55) 1,1,2-Trichloroethane	8.404	97	43641	18.093	ug/l	99
56) Ethyl methacrylate	8.336	69	75298	19.444	ug/l	99
57) 1,3-Dichloropropane	8.581	76	77996	18.170	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.468	63	97161	105.472	ug/l	97
59) 2-Hexanone	8.690	43	344920	94.254	ug/l	98
60) Dibromochloromethane	8.812	129	40447	17.453	ug/l	99
61) 1,2-Dibromoethane	8.928	107	46435	18.249	ug/l	99
64) Tetrachloroethene	8.555	164	35038	19.082	ug/l	98
65) Chlorobenzene	9.449	112	107419	18.844	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.536	131	38032	18.718	ug/l	98
67) Ethyl Benzene	9.574	91	198965	19.500	ug/l	99
68) m/p-Xylenes	9.697	106	154749	39.696	ug/l	99
69) o-Xylene	10.105	106	78506	20.694	ug/l	99
70) Styrene	10.118	104	129203	20.243	ug/l	99
71) Bromoform	10.295	173	31620	18.529	ug/l #	99
73) Isopropylbenzene	10.488	105	202087	20.065	ug/l	100
74) N-amyl acetate	10.324	43	100490	19.497	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	88215	19.056	ug/l	98
76) 1,2,3-Trichloropropane	10.828	75	81747m	18.936	ug/l	
77) Bromobenzene	10.787	156	47554	19.615	ug/l	98
78) n-propylbenzene	10.909	91	243524	19.885	ug/l	100
79) 2-Chlorotoluene	10.989	91	151110	20.173	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	177091	20.626	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.552	75	26847	19.646	ug/l	99
82) 4-Chlorotoluene	11.098	91	173286	20.299	ug/l	99
83) tert-Butylbenzene	11.423	119	171220	20.560	ug/l	99
84) 1,2,4-Trimethylbenzene	11.471	105	177453	20.918	ug/l	99
85) sec-Butylbenzene	11.648	105	222336	20.720	ug/l	100
86) p-Isopropyltoluene	11.796	119	178372	20.432	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	91198	19.322	ug/l	100
88) 1,4-Dichlorobenzene	11.838	146	92095	18.922	ug/l	98
89) n-Butylbenzene	12.211	91	156585	19.484	ug/l	99
90) Hexachloroethane	12.478	117	30365	19.132	ug/l	99
91) 1,2-Dichlorobenzene	12.217	146	93372	18.730	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	13.002	75	20498	18.525	ug/l	98
93) 1,2,4-Trichlorobenzene	13.844	180	50602	18.565	ug/l	98
94) Hexachlorobutadiene	14.024	225	22734	18.871	ug/l	97
95) Naphthalene	14.089	128	187572	19.775	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	51142	18.607	ug/l	100

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

