

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044936.D
 Acq On : 28 Sep 2021 13:00
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU092821

Quant Time: Sep 28 15:52:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.379	168	157694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	278809	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	267304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	142740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.707	65	118784	45.251	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.500%		
35) Dibromofluoromethane	5.295	113	82003	46.624	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.240%		
50) Toluene-d8	7.903	98	330161	47.509	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.020%		
62) 4-Bromofluorobenzene	10.636	95	131918	45.979	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	100503	51.467	ug/l	98
3) Chloromethane	1.520	50	120154	47.503	ug/l	99
4) Vinyl Chloride	1.607	62	130047	51.492	ug/l	100
5) Bromomethane	1.832	94	52661	53.156	ug/l	98
6) Chloroethane	1.916	64	87788	45.247	ug/l	100
7) Trichlorofluoromethane	2.131	101	169927	50.948	ug/l	99
8) Diethyl Ether	2.379	74	77396	50.634	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.578	101	97729	51.522	ug/l	98
10) Methyl Iodide	2.723	142	95162	47.005	ug/l	99
11) Tert butyl alcohol	3.211	59	183253	243.237	ug/l	100
12) 1,1-Dichloroethene	2.578	96	96499	51.613	ug/l	96
13) Acrolein	2.488	56	32779	223.481	ug/l	99
14) Allyl chloride	2.925	41	178836	51.686	ug/l	95
15) Acrylonitrile	3.318	53	385821	253.927	ug/l	99
16) Acetone	2.630	43	406711	261.021	ug/l	100
17) Carbon Disulfide	2.793	76	278041	50.377	ug/l	99
18) Methyl Acetate	2.951	43	227989	50.063	ug/l	98
19) Methyl tert-butyl Ether	3.369	73	373977	51.816	ug/l	97
20) Methylene Chloride	3.047	84	116910	49.814	ug/l	96
21) trans-1,2-Dichloroethene	3.353	96	104404	51.047	ug/l	95
22) Diisopropyl ether	3.999	45	359272	50.859	ug/l	91
23) Vinyl Acetate	3.957	43	1511544	263.093	ug/l	98
24) 1,1-Dichloroethane	3.874	63	206124	50.829	ug/l	100
25) 2-Butanone	4.707	43	572803	258.745	ug/l	98
26) 2,2-Dichloropropane	4.671	77	178609	52.095	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	123629	51.179	ug/l	100
28) Bromochloromethane	4.977	49	77418	46.060	ug/l	95
29) Tetrahydrofuran	5.054	42	333720	253.238	ug/l	94
30) Chloroform	5.092	83	206127	50.432	ug/l	99
31) Cyclohexane	5.391	56	191945	48.138	ug/l	97
32) 1,1,1-Trichloroethane	5.321	97	171914	50.977	ug/l	99
36) 1,1-Dichloropropene	5.530	75	155058	53.181	ug/l	99
37) Ethyl Acetate	4.806	43	196282	50.879	ug/l	98
38) Carbon Tetrachloride	5.527	117	136371	54.051	ug/l	99
39) Methylcyclohexane	6.768	83	195289	54.560	ug/l	96
40) Benzene	5.777	78	452628	52.122	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	107177	53.966	ug/l	98
42) 1,2-Dichloroethane	5.797	62	178070	52.172	ug/l	99
43) Isopropyl Acetate	5.916	43	301454	51.940	ug/l	98
44) Trichloroethene	6.546	130	109817	53.636	ug/l	98
45) 1,2-Dichloropropane	6.793	63	119892	52.075	ug/l	98
46) Dibromomethane	6.922	93	82293	53.059	ug/l	99
47) Bromodichloromethane	7.108	83	161102	53.497	ug/l	100
48) Methyl methacrylate	6.964	41	148253	52.479	ug/l	96
49) 1,4-Dioxane	6.970	88	76062	1060.048	ug/l	96
51) 4-Methyl-2-Pentanone	7.797	43	1089164	257.775	ug/l	98
52) Toluene	7.973	92	287771	52.948	ug/l	99
53) t-1,3-Dichloropropene	8.214	75	186988	54.299	ug/l	100
54) cis-1,3-Dichloropropene	7.610	75	197152	54.962	ug/l	99
55) 1,1,2-Trichloroethane	8.404	97	116708	51.536	ug/l	99
56) Ethyl methacrylate	8.337	69	212753	48.443	ug/l	98
57) 1,3-Dichloropropane	8.578	76	209550	51.849	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.465	63	298902	215.941	ug/l	98
59) 2-Hexanone	8.690	43	917885	266.767	ug/l	98
60) Dibromochloromethane	8.816	129	114845	47.924	ug/l	99
61) 1,2-Dibromoethane	8.928	107	126129	52.397	ug/l	100
64) Tetrachloroethene	8.555	164	93840	53.788	ug/l	99
65) Chlorobenzene	9.449	112	293593	52.388	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.539	131	102728	52.503	ug/l	98
67) Ethyl Benzene	9.575	91	557197	54.030	ug/l	99
68) m/p-Xylenes	9.697	106	434661	108.489	ug/l	99
69) o-Xylene	10.105	106	213644	53.729	ug/l	99
70) Styrene	10.118	104	368407	55.227	ug/l	99
71) Bromoform	10.295	173	89628	47.831	ug/l #	99
73) Isopropylbenzene	10.488	105	556536	52.357	ug/l	100
74) N-amyl acetate	10.324	43	289604	54.109	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.787	83	232762	50.608	ug/l	100
76) 1,2,3-Trichloropropane	10.829	75	205522m	49.363	ug/l	
77) Bromobenzene	10.787	156	129139	50.312	ug/l	100
78) n-propylbenzene	10.909	91	694014	53.577	ug/l	100
79) 2-Chlorotoluene	10.989	91	412695	50.827	ug/l	100
80) 1,3,5-Trimethylbenzene	11.092	105	495231	53.182	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	77783	51.846	ug/l	99
82) 4-Chlorotoluene	11.099	91	480048	52.305	ug/l	100
83) tert-Butylbenzene	11.423	119	467546	51.620	ug/l	99
84) 1,2,4-Trimethylbenzene	11.472	105	497902	54.046	ug/l	99
85) sec-Butylbenzene	11.648	105	621212	53.258	ug/l	99
86) p-Isopropyltoluene	11.796	119	516969	55.098	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	256456	52.174	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	259530	51.613	ug/l	99
89) n-Butylbenzene	12.211	91	487926	56.460	ug/l	100
90) Hexachloroethane	12.481	117	86566	51.092	ug/l	96
91) 1,2-Dichlorobenzene	12.214	146	262609	52.263	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	58834	54.214	ug/l	100
93) 1,2,4-Trichlorobenzene	13.844	180	160173	57.200	ug/l	99
94) Hexachlorobutadiene	14.025	225	64070	54.810	ug/l	98
95) Naphthalene	14.089	128	590029	56.023	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	157630	56.051	ug/l	99

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

