

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045905.D
 Acq On : 22 Nov 2021 10:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/23/2021
 Supervised By : Mahesh Dadoda 11/23/2021

Quant Time: Nov 23 05:27:40 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	5.379	168	115971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	193645	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	191358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	102271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	87543	50.405	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.800%			
35) Dibromofluoromethane	5.295	113	67707	52.370	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.740%			
50) Toluene-d8	7.903	98	260851	54.259	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.520%			
62) 4-Bromofluorobenzene	10.636	95	100149	51.950	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.900%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	79321	52.753	ug/l	100
3) Chloromethane	1.520	50	73910	42.960	ug/l	99
4) Vinyl Chloride	1.607	62	83219	49.657	ug/l	98
5) Bromomethane	1.861	94	49570	53.030	ug/l	100
6) Chloroethane	1.938	64	49693	45.435	ug/l	97
7) Trichlorofluoromethane	2.141	101	113617	51.268	ug/l	100
8) Diethyl Ether	2.379	74	43797	49.926	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.584	101	66082	51.066	ug/l	98
10) Methyl Iodide	2.726	142	59325	35.032	ug/l	93
11) Tert butyl alcohol	3.269	59	88357m	257.025	ug/l	
12) 1,1-Dichloroethene	2.584	96	63339	49.643	ug/l	98
13) Acrolein	2.498	56	13234	265.655	ug/l	98
14) Allyl chloride	2.928	41	108236	47.510	ug/l	98
15) Acrylonitrile	3.324	53	246713	268.802	ug/l	99
16) Acetone	2.652	43	306031	346.144	ug/l	98
17) Carbon Disulfide	2.797	76	178474	49.940	ug/l	100
18) Methyl Acetate	2.957	43	144630	48.029	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	229676	50.009	ug/l	99
20) Methylene Chloride	3.051	84	74714	48.635	ug/l	97
21) trans-1,2-Dichloroethene	3.356	96	68991	51.976	ug/l	95
22) Diisopropyl ether	3.996	45	212826	47.577	ug/l	92
23) Vinyl Acetate	3.961	43	893146	259.603	ug/l	99
24) 1,1-Dichloroethane	3.874	63	131630	49.380	ug/l	99
25) 2-Butanone	4.716	43	359420	293.109	ug/l	97
26) 2,2-Dichloropropane	4.671	77	113121	51.212	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	78804	50.547	ug/l	99
28) Bromochloromethane	4.977	49	65411	51.471	ug/l	93
29) Tetrahydrofuran	5.060	42	192609	256.789	ug/l	97
30) Chloroform	5.092	83	132763	50.359	ug/l	99
31) Cyclohexane	5.391	56	113854	44.928	ug/l	95
32) 1,1,1-Trichloroethane	5.321	97	116631	51.878	ug/l	97
36) 1,1-Dichloropropene	5.530	75	99444	52.667	ug/l	99
37) Ethyl Acetate	4.806	43	114618	52.844	ug/l	99
38) Carbon Tetrachloride	5.530	117	102292	53.736	ug/l	99
39) Methylcyclohexane	6.768	83	119455	51.569	ug/l	95
40) Benzene	5.777	78	283933	50.791	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	61375	53.545	ug/l	97
42) 1,2-Dichloroethane	5.797	62	106933	52.957	ug/l	99
43) Isopropyl Acetate	5.912	43	164140	49.476	ug/l	97
44) Trichloroethene	6.546	130	72886	54.469	ug/l	98
45) 1,2-Dichloropropane	6.793	63	76409	51.656	ug/l	98
46) Dibromomethane	6.922	93	54347	53.026	ug/l	97
47) Bromodichloromethane	7.108	83	105595	54.299	ug/l	97
48) Methyl methacrylate	6.960	41	77335	50.646	ug/l	96
49) 1,4-Dioxane	7.041	88	39192m	998.055	ug/l	
51) 4-Methyl-2-Pentanone	7.793	43	578304	264.254	ug/l	100
52) Toluene	7.973	92	185072	54.075	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	120427	53.883	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	128937	54.315	ug/l	93
55) 1,1,2-Trichloroethane	8.404	97	75554	53.265	ug/l	97
56) Ethyl methacrylate	8.337	69	116583	46.026	ug/l	95
57) 1,3-Dichloropropane	8.578	76	133598	52.294	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.465	63	294315	225.379	ug/l	97
59) 2-Hexanone	8.687	43	481090	252.563	ug/l	100
60) Dibromochloromethane	8.812	129	81720	55.328	ug/l	99
61) 1,2-Dibromoethane	8.925	107	82065	53.944	ug/l	99
64) Tetrachloroethene	8.555	164	69940	63.680	ug/l	99
65) Chlorobenzene	9.449	112	194340	51.703	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.536	131	70336	52.467	ug/l	98
67) Ethyl Benzene	9.571	91	356701	52.992	ug/l	100
68) m/p-Xylenes	9.697	106	277156	109.177	ug/l	100
69) o-Xylene	10.102	106	132640	53.743	ug/l	99
70) Styrene	10.118	104	227900	54.583	ug/l	99
71) Bromoform	10.291	173	62524	49.321	ug/l #	99
73) Isopropylbenzene	10.488	105	352933	52.816	ug/l	100
74) N-amyl acetate	10.320	43	136649	45.330	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.783	83	131880	49.813	ug/l	99
76) 1,2,3-Trichloropropane	10.825	75	152183	49.068	ug/l	94
77) Bromobenzene	10.783	156	83795	51.648	ug/l	95
78) n-propylbenzene	10.909	91	442204	53.170	ug/l	99
79) 2-Chlorotoluene	10.989	91	253774	51.647	ug/l	98
80) 1,3,5-Trimethylbenzene	11.089	105	309316	52.980	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	41659	44.362	ug/l	94
82) 4-Chlorotoluene	11.099	91	304464	52.835	ug/l	98
83) tert-Butylbenzene	11.423	119	287274	51.617	ug/l	99
84) 1,2,4-Trimethylbenzene	11.472	105	310304	53.477	ug/l	100
85) sec-Butylbenzene	11.645	105	387514	52.500	ug/l	100
86) p-Isopropyltoluene	11.796	119	323090	52.381	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	167087	51.042	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	170299	51.438	ug/l	100
89) n-Butylbenzene	12.211	91	307698	51.787	ug/l	99
90) Hexachloroethane	12.478	117	49342	44.345	ug/l	97
91) 1,2-Dichlorobenzene	12.214	146	163856	51.449	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.996	75	31009	49.638	ug/l	97
93) 1,2,4-Trichlorobenzene	13.841	180	114091	51.810	ug/l	99
94) Hexachlorobutadiene	14.024	225	48898	51.442	ug/l	98
95) Naphthalene	14.089	128	400205	48.376	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	115549	52.828	ug/l	99

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

