

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110921\
 Data File : VU045674.D
 Acq On : 09 Nov 2021 21:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2021
 Supervised By : Mahesh Dadoda 11/16/2021

Quant Time: Nov 10 02:03:30 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	5.375	168	109190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	202038	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	197018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	103314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	96483	59.002	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.000%#			
35) Dibromofluoromethane	5.292	113	74886	55.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.040%			
50) Toluene-d8	7.899	98	281474	56.117	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.240%#			
62) 4-Bromofluorobenzene	10.636	95	111932	55.650	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	80423	56.808	ug/l	99
3) Chloromethane	1.520	50	90208	55.690	ug/l	100
4) Vinyl Chloride	1.604	62	94526	59.906	ug/l	99
5) Bromomethane	1.842	94	57887	65.773	ug/l	100
6) Chloroethane	1.925	64	57124	55.473	ug/l	96
7) Trichlorofluoromethane	2.134	101	121810	58.379	ug/l	99
8) Diethyl Ether	2.376	74	49414	59.827	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.578	101	70441	57.815	ug/l	98
10) Methyl Iodide	2.723	142	69124	43.354	ug/l	93
11) Tert butyl alcohol	3.179	59	108424	334.986	ug/l	100
12) 1,1-Dichloroethene	2.578	96	68830	57.297	ug/l	99
13) Acrolein	2.485	56	15375	327.800	ug/l	98
14) Allyl chloride	2.922	41	126928	59.174	ug/l	98
15) Acrylonitrile	3.311	53	270504	313.026	ug/l	99
16) Acetone	2.626	43	214527	257.715	ug/l	99
17) Carbon Disulfide	2.793	76	179533	53.357	ug/l	100
18) Methyl Acetate	2.948	43	175694	61.968	ug/l	100
19) Methyl tert-butyl Ether	3.366	73	264666	61.207	ug/l	99
20) Methylene Chloride	3.047	84	85221	58.919	ug/l	98
21) trans-1,2-Dichloroethene	3.353	96	74186	59.361	ug/l	98
22) Diisopropyl ether	3.996	45	265192	62.966	ug/l	92
23) Vinyl Acetate	3.957	43	1030285	318.061	ug/l	99
24) 1,1-Dichloroethane	3.871	63	154286	61.474	ug/l	100
25) 2-Butanone	4.700	43	359243	311.158	ug/l	99
26) 2,2-Dichloropropane	4.668	77	103061	49.555	ug/l	100
27) cis-1,2-Dichloroethene	4.668	96	91509	62.342	ug/l	99
28) Bromochloromethane	4.977	49	59932	50.089	ug/l	98
29) Tetrahydrofuran	5.051	42	229839	325.455	ug/l	99
30) Chloroform	5.089	83	152653	61.500	ug/l	100
31) Cyclohexane	5.391	56	133070	55.771	ug/l	98
32) 1,1,1-Trichloroethane	5.321	97	128474	60.695	ug/l	98
36) 1,1-Dichloropropene	5.530	75	107230	54.431	ug/l	98
37) Ethyl Acetate	4.803	43	133190	58.856	ug/l	99
38) Carbon Tetrachloride	5.527	117	110009	55.389	ug/l	98
39) Methylcyclohexane	6.764	83	126939	52.523	ug/l	97
40) Benzene	5.777	78	322585	55.308	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	73591	61.536	ug/l	98
42) 1,2-Dichloroethane	5.797	62	121917	57.869	ug/l	99
43) Isopropyl Acetate	5.912	43	201777	58.295	ug/l	99
44) Trichloroethene	6.543	130	85294	61.093	ug/l	100
45) 1,2-Dichloropropane	6.793	63	91299	59.159	ug/l	96
46) Dibromomethane	6.919	93	61725	57.723	ug/l	100
47) Bromodichloromethane	7.108	83	120483	59.381	ug/l	96
48) Methyl methacrylate	6.961	41	97861	61.426	ug/l	98
49) 1,4-Dioxane	6.964	88	52665	1285.442	ug/l #	96
51) 4-Methyl-2-Pentanone	7.793	43	692738	303.394	ug/l	99
52) Toluene	7.973	92	206548	57.843	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	129506	55.538	ug/l	97
54) cis-1,3-Dichloropropene	7.610	75	141877	57.283	ug/l	96
55) 1,1,2-Trichloroethane	8.404	97	86833	58.674	ug/l	98
56) Ethyl methacrylate	8.337	69	139982	52.602	ug/l	97
57) 1,3-Dichloropropane	8.578	76	152452	57.195	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	317398	232.959	ug/l	99
59) 2-Hexanone	8.687	43	534762	268.584	ug/l	99
60) Dibromochloromethane	8.813	129	90558	58.765	ug/l	99
61) 1,2-Dibromoethane	8.925	107	91122	57.409	ug/l	98
64) Tetrachloroethene	8.555	164	66655	58.945	ug/l	99
65) Chlorobenzene	9.449	112	215386	55.656	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.536	131	77831	56.390	ug/l	98
67) Ethyl Benzene	9.571	91	393008	56.708	ug/l	100
68) m/p-Xylenes	9.697	106	303631	116.170	ug/l	99
69) o-Xylene	10.102	106	148637	58.495	ug/l	99
70) Styrene	10.115	104	253463	58.961	ug/l	99
71) Bromoform	10.295	173	66299	50.704	ug/l #	99
73) Isopropylbenzene	10.488	105	389952	57.767	ug/l	100
74) N-amyl acetate	10.321	43	176201	57.860	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	150428	56.245	ug/l	99
76) 1,2,3-Trichloropropane	10.829	75	138801m	44.302	ug/l	
77) Bromobenzene	10.784	156	92491	56.433	ug/l	97
78) n-propylbenzene	10.909	91	472053	56.186	ug/l	100
79) 2-Chlorotoluene	10.989	91	280003	56.410	ug/l	98
80) 1,3,5-Trimethylbenzene	11.092	105	335800	56.935	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	41787	44.070	ug/l	98
82) 4-Chlorotoluene	11.099	91	324441	55.734	ug/l	99
83) tert-Butylbenzene	11.423	119	325972	57.979	ug/l	98
84) 1,2,4-Trimethylbenzene	11.472	105	338687	57.779	ug/l	100
85) sec-Butylbenzene	11.645	105	425708	57.093	ug/l	100
86) p-Isopropyltoluene	11.796	119	348528	55.935	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	175918	53.198	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	176620	52.808	ug/l	99
89) n-Butylbenzene	12.211	91	319382	53.211	ug/l	99
90) Hexachloroethane	12.478	117	61111	54.367	ug/l	99
91) 1,2-Dichlorobenzene	12.214	146	175744	54.624	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	35939	56.949	ug/l	97
93) 1,2,4-Trichlorobenzene	13.841	180	114684	51.554	ug/l	99
94) Hexachlorobutadiene	14.025	225	46531	48.457	ug/l	99
95) Naphthalene	14.089	128	435841	52.072	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	120081	54.346	ug/l	98

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

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