

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041222\
 Data File : VX028049.D
 Acq On : 12 Apr 2022 11:57
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/13/2022
 Supervised By : Mahesh Dadoda 04/13/2022

Quant Time: Apr 12 12:27:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 12:23:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	203331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	331175	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	318129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	179930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	127022	42.253	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.500%		
35) Dibromofluoromethane	5.391	113	103225	46.917	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.840%		
50) Toluene-d8	8.653	98	397601	49.905	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.820%		
62) 4-Bromofluorobenzene	11.079	95	152153	45.615	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	90436	33.210	ug/l	100
3) Chloromethane	1.288	50	98298	41.338	ug/l	99
4) Vinyl Chloride	1.374	62	120453	50.427	ug/l	100
5) Bromomethane	1.599	94	140125	95.956	ug/l	100
6) Chloroethane	1.679	64	93145	56.432	ug/l	99
7) Trichlorofluoromethane	1.886	101	233984	57.016	ug/l	97
8) Diethyl Ether	2.130	74	85220	60.469	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	90763	39.562	ug/l	97
10) Methyl Iodide	2.453	142	118671	46.475	ug/l	97
11) Tert butyl alcohol	2.965	59	146543	263.002	ug/l	99
12) 1,1-Dichloroethene	2.319	96	87466	40.360	ug/l	99
13) Acrolein	2.233	56	81435	175.153	ug/l	100
14) Allyl chloride	2.666	41	156440	43.718	ug/l	88
15) Acrylonitrile	3.062	53	312745	238.911	ug/l	99
16) Acetone	2.380	43	255627	203.539	ug/l	92
17) Carbon Disulfide	2.508	76	250059	44.640	ug/l	99
18) Methyl Acetate	2.703	43	136627	43.006	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	355896	47.144	ug/l	100
20) Methylene Chloride	2.788	84	103478	41.769	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	108002	48.685	ug/l	96
22) Diisopropyl ether	3.764	45	361053	47.783	ug/l	89
23) Vinyl Acetate	3.721	43	1658282	249.298	ug/l	95
24) 1,1-Dichloroethane	3.611	63	193955	45.452	ug/l	99
25) 2-Butanone	4.556	43	465147	231.908	ug/l	93
26) 2,2-Dichloropropane	4.477	77	180383	50.810	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	123275	47.883	ug/l	99
28) Bromochloromethane	4.904	49	86705	47.867	ug/l	90
29) Tetrahydrofuran	5.007	42	309012	241.606	ug/l	90
30) Chloroform	5.099	83	215724	46.454	ug/l	100
31) Cyclohexane	5.477	56	178790	47.904	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	193998	47.610	ug/l	99
36) 1,1-Dichloropropene	5.696	75	155762	47.752	ug/l	99
37) Ethyl Acetate	4.715	43	182548	47.347	ug/l	95
38) Carbon Tetrachloride	5.684	117	167673	47.711	ug/l	97
39) Methylcyclohexane	7.385	83	186712	49.093	ug/l	96
40) Benzene	6.037	78	460631	50.062	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	94078	46.841	ug/l	92
42) 1,2-Dichloroethane	6.092	62	173633	45.364	ug/l	97
43) Isopropyl Acetate	6.342	43	300581	51.280	ug/l	93
44) Trichloroethene	7.129	130	123134	50.192	ug/l	98
45) 1,2-Dichloropropane	7.434	63	114813	50.088	ug/l	95
46) Dibromomethane	7.586	93	85098	46.518	ug/l	95
47) Bromodichloromethane	7.824	83	168030	49.764	ug/l	97
48) Methyl methacrylate	7.696	41	133365	45.752	ug/l #	83
49) 1,4-Dioxane	7.659	88	64219	1100.493	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	981057	257.288	ug/l	91
52) Toluene	8.720	92	309702	51.910	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	194012	56.650	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	195695	53.715	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	123480	52.765	ug/l	96
56) Ethyl methacrylate	9.116	69	197896	53.769	ug/l #	79
57) 1,3-Dichloropropane	9.311	76	205462	51.308	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	456734	266.543	ug/l	100
59) 2-Hexanone	9.433	43	796394	260.453	ug/l	88
60) Dibromochloromethane	9.525	129	135668	55.781	ug/l	97
61) 1,2-Dibromoethane	9.610	107	134254	51.584	ug/l	98
64) Tetrachloroethene	9.275	164	119441	50.824	ug/l	97
65) Chlorobenzene	10.079	112	333327	49.879	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	123411	50.468	ug/l	99
67) Ethyl Benzene	10.195	91	600757	49.218	ug/l	98
68) m/p-Xylenes	10.305	106	485056	104.582	ug/l	99
69) o-Xylene	10.640	106	235559	51.664	ug/l	99
70) Styrene	10.659	104	399699	52.871	ug/l	98
71) Bromoform	10.799	173	103986	56.568	ug/l #	100
73) Isopropylbenzene	10.963	105	624875	45.101	ug/l	99
74) N-amyl acetate	10.842	43	285219	46.441	ug/l	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	214946	45.965	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	200885m	45.538	ug/l	
77) Bromobenzene	11.201	156	151281	45.968	ug/l	98
78) n-propylbenzene	11.305	91	737468	44.659	ug/l	100
79) 2-Chlorotoluene	11.366	91	433760	42.955	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	544968	45.846	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	72129	55.541	ug/l	89
82) 4-Chlorotoluene	11.457	91	520621	44.043	ug/l	98
83) tert-Butylbenzene	11.713	119	525063	47.267	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	541735	45.456	ug/l	100
85) sec-Butylbenzene	11.890	105	675013	48.025	ug/l	99
86) p-Isopropyltoluene	12.012	119	574300	48.757	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	297569	48.241	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	303758	47.610	ug/l	99
89) n-Butylbenzene	12.335	91	497808	47.174	ug/l	98
90) Hexachloroethane	12.542	117	100779	55.263	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	295682	49.199	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	48599	41.767	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	170754	46.816	ug/l	99
94) Hexachlorobutadiene	13.725	225	66842	40.149	ug/l	95
95) Naphthalene	13.774	128	611559	48.624	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	167141	46.722	ug/l	96

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

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