

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121921\
 Data File : VX025907.D
 Acq On : 18 Dec 2021 13:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2021
 Supervised By : Mahesh Dadoda 12/22/2021

Quant Time: Dec 19 05:55:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	123784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	201497	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98869	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76610	43.01	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.02%		
35) Dibromofluoromethane	5.385	113	63654	45.30	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.60%		
50) Toluene-d8	8.653	98	239380	46.75	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.50%		
62) 4-Bromofluorobenzene	11.079	95	92257	47.43	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.86%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	58566	52.90	ug/l	97
3) Chloromethane	1.295	50	63009	43.71	ug/l	99
4) Vinyl Chloride	1.374	62	70204	45.79	ug/l	99
5) Bromomethane	1.599	94	45335	41.41	ug/l	97
6) Chloroethane	1.679	64	48726	43.87	ug/l	97
7) Trichlorofluoromethane	1.886	101	119299	47.10	ug/l	94
8) Diethyl Ether	2.136	74	43008	43.05	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	62503	47.42	ug/l	95
10) Methyl Iodide	2.453	142	72324	43.07	ug/l	99
11) Tert butyl alcohol	2.971	59	59542	166.66	ug/l	98
12) 1,1-Dichloroethene	2.319	96	57113	43.58	ug/l	96
13) Acrolein	2.239	56	58465	239.41	ug/l	98
14) Allyl chloride	2.666	41	101361	42.38	ug/l	97
15) Acrylonitrile	3.063	53	180159	216.01	ug/l	99
16) Acetone	2.380	43	196166	254.97	ug/l	97
17) Carbon Disulfide	2.514	76	129433	34.48	ug/l	100
18) Methyl Acetate	2.703	43	117459	43.27	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	204811	44.25	ug/l	100
20) Methylene Chloride	2.788	84	67538	44.05	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	65619	44.87	ug/l	99
22) Diisopropyl ether	3.764	45	216160	46.59	ug/l	91
23) Vinyl Acetate	3.721	43	831044	231.49	ug/l	98
24) 1,1-Dichloroethane	3.611	63	118258	44.64	ug/l	99
25) 2-Butanone	4.556	43	272579	227.55	ug/l	99
26) 2,2-Dichloropropane	4.477	77	83848	41.73	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	76554	44.15	ug/l	98
28) Bromochloromethane	4.898	49	54498	45.65	ug/l	98
29) Tetrahydrofuran	5.007	42	164827	216.42	ug/l	99
30) Chloroform	5.093	83	128107	44.10	ug/l	100
31) Cyclohexane	5.471	56	111433	51.45	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	110191	43.58	ug/l	100
36) 1,1-Dichloropropene	5.696	75	93151	48.88	ug/l	99
37) Ethyl Acetate	4.715	43	98762	46.65	ug/l	99
38) Carbon Tetrachloride	5.678	117	96935	43.72	ug/l	98
39) Methylcyclohexane	7.385	83	116423	54.60	ug/l	97
40) Benzene	6.044	78	275640	48.49	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	54725	46.70	ug/l	99
42) 1,2-Dichloroethane	6.086	62	100442	46.49	ug/l	100
43) Isopropyl Acetate	6.342	43	154193	45.20	ug/l	99
44) Trichloroethene	7.129	130	76488	48.33	ug/l	92
45) 1,2-Dichloropropane	7.434	63	67850	47.35	ug/l	97
46) Dibromomethane	7.580	93	50497	45.27	ug/l	98
47) Bromodichloromethane	7.824	83	94043	42.78	ug/l	96
48) Methyl methacrylate	7.696	41	76764	47.79	ug/l	99
49) 1,4-Dioxane	7.659	88	30897	881.05	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	528804	236.81	ug/l	100
52) Toluene	8.720	92	182378	50.35	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	92124	43.96	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	105084	45.83	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	72782	46.86	ug/l	97
56) Ethyl methacrylate	9.116	69	109345	49.02	ug/l	98
57) 1,3-Dichloropropane	9.311	76	120544	47.31	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	280539	257.00	ug/l	99
59) 2-Hexanone	9.433	43	415990	245.87	ug/l	100
60) Dibromochloromethane	9.525	129	73610	41.75	ug/l	100
61) 1,2-Dibromoethane	9.610	107	78180	46.42	ug/l	99
64) Tetrachloroethene	9.275	164	75891	49.81	ug/l	98
65) Chlorobenzene	10.080	112	197546	49.62	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	69713	44.84	ug/l	100
67) Ethyl Benzene	10.195	91	351050	52.14	ug/l	99
68) m/p-Xylenes	10.305	106	277242	105.83	ug/l	99
69) o-Xylene	10.640	106	135243	52.48	ug/l	99
70) Styrene	10.659	104	226236	52.76	ug/l	99
71) Bromoform	10.799	173	50630	39.53	ug/l #	99
73) Isopropylbenzene	10.964	105	353619	49.28	ug/l	100
74) N-amyl acetate	10.848	43	138076	47.84	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	110714	44.27	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	97219m	42.92	ug/l	
77) Bromobenzene	11.201	156	87966	47.79	ug/l	97
78) n-propylbenzene	11.305	91	412509	50.82	ug/l	99
79) 2-Chlorotoluene	11.366	91	243652	47.21	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	299641	50.35	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	25586	35.02	ug/l	88
82) 4-Chlorotoluene	11.457	91	279023	48.28	ug/l	100
83) tert-Butylbenzene	11.713	119	293190	50.26	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	303483	51.05	ug/l	100
85) sec-Butylbenzene	11.890	105	380681	54.29	ug/l	100
86) p-Isopropyltoluene	12.012	119	315564	53.59	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	165868	48.37	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	169675	48.46	ug/l	99
89) n-Butylbenzene	12.335	91	271784	55.33	ug/l	99
90) Hexachloroethane	12.543	117	45241	39.09	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	159126	48.59	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20937	37.26	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	96731	49.08	ug/l	98
94) Hexachlorobutadiene	13.725	225	40065	57.51	ug/l	100
95) Naphthalene	13.780	128	317494	47.16	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	95841	49.12	ug/l	99

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

