

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090122\
 Data File : VX031051.D
 Acq On : 02 Sep 2022 03:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/02/2022
 Supervised By : Mahesh Dadoda 09/02/2022

Quant Time: Sep 02 04:57:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	190501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	306913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	281024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	118453	48.325	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.660%		
35) Dibromofluoromethane	5.391	113	113617	50.728	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.460%		
50) Toluene-d8	8.653	98	414288	50.259	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.520%		
62) 4-Bromofluorobenzene	11.079	95	152172	52.267	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.540%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	88160	44.976	ug/l	94
3) Chloromethane	1.288	50	68847	42.083	ug/l	100
4) Vinyl Chloride	1.374	62	91102	44.492	ug/l	95
5) Bromomethane	1.611	94	48572	53.061	ug/l	99
6) Chloroethane	1.685	64	39145	32.376	ug/l	99
7) Trichlorofluoromethane	1.886	101	165042	47.701	ug/l	97
8) Diethyl Ether	2.136	74	55074	45.640	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.331	101	103223	45.041	ug/l	92
10) Methyl Iodide	2.453	142	114853	51.679	ug/l	98
11) Tert butyl alcohol	2.995	59	122954	248.090	ug/l	97
12) 1,1-Dichloroethene	2.319	96	104624	47.275	ug/l	90
13) Acrolein	2.239	56	102705	228.974	ug/l	100
14) Allyl chloride	2.666	41	126616	43.079	ug/l #	91
15) Acrylonitrile	3.069	53	261170	227.260	ug/l	98
16) Acetone	2.392	43	211769	223.794	ug/l	100
17) Carbon Disulfide	2.514	76	260592	45.340	ug/l	99
18) Methyl Acetate	2.709	43	121237	44.586	ug/l #	89
19) Methyl tert-butyl Ether	3.117	73	331299	48.609	ug/l	92
20) Methylene Chloride	2.794	84	115244	50.054	ug/l #	86
21) trans-1,2-Dichloroethene	3.093	96	112362	45.627	ug/l	91
22) Diisopropyl ether	3.770	45	269435	45.496	ug/l #	79
23) Vinyl Acetate	3.727	43	1120204	234.180	ug/l #	89
24) 1,1-Dichloroethane	3.617	63	181816	45.562	ug/l	99
25) 2-Butanone	4.568	43	325000	222.470	ug/l #	89
26) 2,2-Dichloropropane	4.483	77	94300	29.613	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	130036	47.114	ug/l	89
28) Bromochloromethane	4.904	49	52770	44.634	ug/l #	61
29) Tetrahydrofuran	5.013	42	201935	214.412	ug/l #	78
30) Chloroform	5.099	83	207798	47.485	ug/l	98
31) Cyclohexane	5.477	56	150826	45.044	ug/l	85
32) 1,1,1-Trichloroethane	5.391	97	182441	48.634	ug/l	95
36) 1,1-Dichloropropene	5.696	75	145561	46.398	ug/l	98
37) Ethyl Acetate	4.721	43	127493	46.773	ug/l	94
38) Carbon Tetrachloride	5.684	117	160787	49.375	ug/l	98
39) Methylcyclohexane	7.385	83	180929	46.534	ug/l	93
40) Benzene	6.031	78	453187	50.314	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	67717	46.597	ug/l #	88
42) 1,2-Dichloroethane	6.092	62	145402	48.937	ug/l	99
43) Isopropyl Acetate	6.348	43	198335	46.556	ug/l #	91
44) Trichloroethene	7.129	130	139224	48.835	ug/l	92
45) 1,2-Dichloropropane	7.434	63	108876	47.158	ug/l	97
46) Dibromomethane	7.586	93	84371	48.827	ug/l	92
47) Bromodichloromethane	7.824	83	165045	51.124	ug/l	98
48) Methyl methacrylate	7.696	41	98014	45.573	ug/l #	85
49) 1,4-Dioxane	7.690	88	59601	911.101	ug/l #	89
51) 4-Methyl-2-Pentanone	8.580	43	637261	232.693	ug/l	89
52) Toluene	8.720	92	286062	48.973	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	154661	48.385	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	173932	48.663	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	122028	49.140	ug/l	96
56) Ethyl methacrylate	9.116	69	172870	50.921	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	187827	47.837	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	402436	237.393	ug/l	91
59) 2-Hexanone	9.433	43	495269	239.144	ug/l	79
60) Dibromochloromethane	9.525	129	135359	52.495	ug/l	100
61) 1,2-Dibromoethane	9.610	107	134194	51.187	ug/l	98
64) Tetrachloroethene	9.275	164	139146	49.590	ug/l	95
65) Chlorobenzene	10.079	112	322451	48.043	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	121966	49.214	ug/l	98
67) Ethyl Benzene	10.195	91	561593	48.841	ug/l	98
68) m/p-Xylenes	10.305	106	441846	97.977	ug/l	99
69) o-Xylene	10.646	106	219024	49.521	ug/l	100
70) Styrene	10.659	104	364035	50.860	ug/l	99
71) Bromoform	10.799	173	102129	52.998	ug/l #	99
73) Isopropylbenzene	10.963	105	566097	47.453	ug/l	99
74) N-amyl acetate	10.842	43	167374	46.480	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	11.213	83	171269	44.894	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	156998m	44.877	ug/l	
77) Bromobenzene	11.201	156	147969	48.108	ug/l	88
78) n-propylbenzene	11.305	91	643481	47.359	ug/l	98
79) 2-Chlorotoluene	11.366	91	383748	45.866	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	474587	47.273	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	46974	42.199	ug/l	91
82) 4-Chlorotoluene	11.457	91	431707	46.115	ug/l	97
83) tert-Butylbenzene	11.719	119	467948	46.832	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	476812	47.785	ug/l	99
85) sec-Butylbenzene	11.890	105	595729	45.518	ug/l	98
86) p-Isopropyltoluene	12.012	119	499457	48.188	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	270352	45.887	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	273955	46.690	ug/l	98
89) n-Butylbenzene	12.335	91	417872	44.713	ug/l	98
90) Hexachloroethane	12.542	117	85923	45.743	ug/l	84
91) 1,2-Dichlorobenzene	12.335	146	274019	45.347	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	40583	43.661	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	207710	54.313	ug/l	93
94) Hexachlorobutadiene	13.725	225	81608	48.737	ug/l	98
95) Naphthalene	13.780	128	711599	53.049	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	204144	50.888	ug/l	99

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

