

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090722\
 Data File : VX031208.D
 Acq On : 08 Sep 2022 13:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2022
 Supervised By : Mahesh Dadoda 09/08/2022

Quant Time: Sep 08 14:01:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 23:22:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	40361	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	65930	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	76284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59564	62.334	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.660%			
35) Dibromofluoromethane	5.391	113	42538	59.207	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.420%			
50) Toluene-d8	8.653	98	143198	54.858	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.720%			
62) 4-Bromofluorobenzene	11.085	95	58431	61.082	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 122.160%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	37768	58.229	ug/l	100
3) Chloromethane	1.288	50	22696	45.536	ug/l	97
4) Vinyl Chloride	1.374	62	30056	51.084	ug/l	99
5) Bromomethane	1.612	94	19540	51.979	ug/l	95
6) Chloroethane	1.679	64	18961	57.448	ug/l	98
7) Trichlorofluoromethane	1.886	101	75073	58.556	ug/l	98
8) Diethyl Ether	2.136	74	20601	56.572	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.325	101	41446	57.166	ug/l	93
10) Methyl Iodide	2.453	142	44090	49.180	ug/l #	81
11) Tert butyl alcohol	2.989	59	53923	323.148	ug/l #	87
12) 1,1-Dichloroethene	2.319	96	35886	52.662	ug/l	91
13) Acrolein	2.240	56	39154	295.032	ug/l	100
14) Allyl chloride	2.666	41	46991	51.332	ug/l #	69
15) Acrylonitrile	3.069	53	98805	271.549	ug/l	97
16) Acetone	2.386	43	97792	295.565	ug/l #	88
17) Carbon Disulfide	2.508	76	92217	55.043	ug/l	97
18) Methyl Acetate	2.709	43	46099	53.821	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	142490	58.872	ug/l #	86
20) Methylene Chloride	2.788	84	41204	52.986	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	38780	51.361	ug/l	98
22) Diisopropyl ether	3.764	45	99934	51.987	ug/l #	95
23) Vinyl Acetate	3.727	43	460509	285.411	ug/l #	91
24) 1,1-Dichloroethane	3.611	63	71738	56.264	ug/l	97
25) 2-Butanone	4.562	43	133791	272.995	ug/l #	89
26) 2,2-Dichloropropane	4.477	77	67417	59.088	ug/l	90
27) cis-1,2-Dichloroethene	4.489	96	46266	53.372	ug/l	94
28) Bromochloromethane	4.904	49	24972	54.013	ug/l #	74
29) Tetrahydrofuran	5.013	42	79431	274.519	ug/l #	79
30) Chloroform	5.093	83	88538	58.704	ug/l	99
31) Cyclohexane	5.477	56	55181	51.676	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	84694	62.305	ug/l	97
36) 1,1-Dichloropropene	5.690	75	61681	57.327	ug/l	95
37) Ethyl Acetate	4.721	43	51688	54.152	ug/l #	96
38) Carbon Tetrachloride	5.678	117	74356	65.683	ug/l	96
39) Methylcyclohexane	7.385	83	65607	53.389	ug/l	97
40) Benzene	6.038	78	159183	54.461	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	28105	56.311	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	76165	63.647	ug/l	93
43) Isopropyl Acetate	6.342	43	84747	56.313	ug/l #	95
44) Trichloroethene	7.129	130	43211	52.594	ug/l	93
45) 1,2-Dichloropropane	7.434	63	35735	49.749	ug/l	96
46) Dibromomethane	7.580	93	32628	57.283	ug/l	94
47) Bromodichloromethane	7.824	83	69348	62.589	ug/l	98
48) Methyl methacrylate	7.696	41	43164	58.900	ug/l #	86
49) 1,4-Dioxane	7.684	88	22633	1118.759	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	259993	282.131	ug/l	92
52) Toluene	8.720	92	106428	55.206	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	74093	64.191	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	71408	57.625	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	46491	58.657	ug/l	96
56) Ethyl methacrylate	9.116	69	70895	60.713	ug/l	90
57) 1,3-Dichloropropane	9.311	76	76982	56.211	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	144049	261.743	ug/l	92
59) 2-Hexanone	9.433	43	205961	295.545	ug/l	94
60) Dibromochloromethane	9.525	129	53086	64.965	ug/l	99
61) 1,2-Dibromoethane	9.610	107	50763	57.633	ug/l	98
64) Tetrachloroethene	9.275	164	40772	51.342	ug/l	96
65) Chlorobenzene	10.080	112	116691	51.955	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	48493	55.276	ug/l	96
67) Ethyl Benzene	10.195	91	222336	54.626	ug/l	97
68) m/p-Xylenes	10.305	106	162182	107.491	ug/l	85
69) o-Xylene	10.640	106	78557	52.169	ug/l	83
70) Styrene	10.659	104	133062	55.104	ug/l #	92
71) Bromoform	10.799	173	36086	61.737	ug/l #	98
73) Isopropylbenzene	10.964	105	218127	51.618	ug/l	98
74) N-amyl acetate	10.848	43	69195	51.432	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.214	83	65143	49.383	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	64263m	48.386	ug/l	
77) Bromobenzene	11.201	156	48808	53.143	ug/l	96
78) n-propylbenzene	11.305	91	252039	52.324	ug/l	98
79) 2-Chlorotoluene	11.366	91	156065	52.296	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	188469	53.051	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	22260	54.051	ug/l	89
82) 4-Chlorotoluene	11.457	91	180599	52.306	ug/l	94
83) tert-Butylbenzene	11.720	119	182252	52.040	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	185618	53.744	ug/l	95
85) sec-Butylbenzene	11.890	105	225914	52.085	ug/l	99
86) p-Isopropyltoluene	12.012	119	190503	54.367	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	88914	52.090	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	88391	50.354	ug/l	96
89) n-Butylbenzene	12.335	91	166014	54.950	ug/l	99
90) Hexachloroethane	12.543	117	34475	57.261	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	85568	51.118	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19215	53.037	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	54039	55.205	ug/l	98
94) Hexachlorobutadiene	13.725	225	22421	53.939	ug/l	99
95) Naphthalene	13.774	128	209264	54.572	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	51847	52.023	ug/l	97

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

