

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092022\
 Data File : VX031485.D
 Acq On : 20 Sep 2022 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/21/2022
 Supervised By : Mahesh Dadoda 09/21/2022

Quant Time: Sep 20 14:47:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	53645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	80830	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	93213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	54383	55.289	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.580%			
35) Dibromofluoromethane	5.385	113	46756	56.052	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.100%			
50) Toluene-d8	8.647	98	174488	54.183	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.360%			
62) 4-Bromofluorobenzene	11.079	95	63049	57.799	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	43014	55.769	ug/l	97
3) Chloromethane	1.288	50	49730	48.601	ug/l	99
4) Vinyl Chloride	1.374	62	58161	49.848	ug/l	99
5) Bromomethane	1.611	94	85526	51.480	ug/l	97
6) Chloroethane	1.685	64	83837	85.036	ug/l	97
7) Trichlorofluoromethane	1.886	101	123966	46.841	ug/l	100
8) Diethyl Ether	2.136	74	40234	44.140	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.325	101	43078	49.872	ug/l	92
10) Methyl Iodide	2.453	142	47341	56.648	ug/l	98
11) Tert butyl alcohol	3.001	59	45910	216.853	ug/l	99
12) 1,1-Dichloroethene	2.319	96	39771	47.629	ug/l	90
13) Acrolein	2.239	56	23212	215.715	ug/l	99
14) Allyl chloride	2.666	41	61516	45.177	ug/l	92
15) Acrylonitrile	3.068	53	118959	229.773	ug/l	98
16) Acetone	2.386	43	104808	270.478	ug/l	99
17) Carbon Disulfide	2.514	76	105842	47.044	ug/l	99
18) Methyl Acetate	2.709	43	64280	43.724	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	142534	47.198	ug/l	98
20) Methylene Chloride	2.788	84	46789	53.395	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	45879	48.657	ug/l	93
22) Diisopropyl ether	3.763	45	143648	48.715	ug/l	97
23) Vinyl Acetate	3.721	43	620954	246.239	ug/l	98
24) 1,1-Dichloroethane	3.611	63	79280	47.576	ug/l	96
25) 2-Butanone	4.562	43	173008	227.780	ug/l	100
26) 2,2-Dichloropropane	4.477	77	71012	48.243	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	54381	47.852	ug/l	90
28) Bromochloromethane	4.897	49	34770	52.231	ug/l	90
29) Tetrahydrofuran	5.007	42	112754	227.633	ug/l	96
30) Chloroform	5.092	83	91276	49.943	ug/l	96
31) Cyclohexane	5.470	56	71445	48.962	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	80091	48.247	ug/l	100
36) 1,1-Dichloropropene	5.690	75	65802	51.215	ug/l	98
37) Ethyl Acetate	4.714	43	69781	45.526	ug/l	100
38) Carbon Tetrachloride	5.678	117	72615	50.988	ug/l	96
39) Methylcyclohexane	7.379	83	80327	50.812	ug/l	95
40) Benzene	6.037	78	191760	50.028	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	36699	48.089	ug/l	97
42) 1,2-Dichloroethane	6.092	62	72222	51.119	ug/l	99
43) Isopropyl Acetate	6.342	43	114757	48.713	ug/l	99
44) Trichloroethene	7.129	130	54770	50.395	ug/l	85
45) 1,2-Dichloropropane	7.427	63	47344	49.136	ug/l	97
46) Dibromomethane	7.580	93	37762	50.915	ug/l	94
47) Bromodichloromethane	7.824	83	71266	51.107	ug/l	99
48) Methyl methacrylate	7.696	41	51489	47.841	ug/l	90
49) 1,4-Dioxane	7.690	88	22268	905.986	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	374991	247.480	ug/l	99
52) Toluene	8.720	92	131620	52.651	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	78049	54.089	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	80477	50.995	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	53355	51.797	ug/l	97
56) Ethyl methacrylate	9.116	69	76509	52.223	ug/l	95
57) 1,3-Dichloropropane	9.311	76	86015	50.885	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	151313	249.226	ug/l	95
59) 2-Hexanone	9.433	43	288085	253.154	ug/l	99
60) Dibromochloromethane	9.525	129	58894	53.842	ug/l	100
61) 1,2-Dibromoethane	9.610	107	57057	51.417	ug/l	97
64) Tetrachloroethene	9.275	164	57607	51.453	ug/l	97
65) Chlorobenzene	10.079	112	142858	49.698	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	52957	51.061	ug/l	98
67) Ethyl Benzene	10.195	91	255351	50.313	ug/l	100
68) m/p-Xylenes	10.305	106	207701	101.835	ug/l	98
69) o-Xylene	10.640	106	100083	51.410	ug/l	97
70) Styrene	10.659	104	169594	52.911	ug/l	97
71) Bromoform	10.799	173	44023	53.052	ug/l #	99
73) Isopropylbenzene	10.963	105	265733	44.900	ug/l	99
74) N-amyl acetate	10.841	43	110537	46.080	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	83956	52.132	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	77240m	43.667	ug/l	
77) Bromobenzene	11.201	156	64307	44.087	ug/l	94
78) n-propylbenzene	11.305	91	321893	47.275	ug/l	98
79) 2-Chlorotoluene	11.366	91	182303	44.982	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	244542	48.689	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	27078	49.291	ug/l	96
82) 4-Chlorotoluene	11.457	91	236538	49.733	ug/l	100
83) tert-Butylbenzene	11.713	119	227566	46.747	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	240527	48.626	ug/l	100
85) sec-Butylbenzene	11.890	105	301975	49.017	ug/l	99
86) p-Isopropyltoluene	12.012	119	267447	51.411	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	129727	46.401	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	145952	50.051	ug/l	98
89) n-Butylbenzene	12.335	91	228270	51.513	ug/l	99
90) Hexachloroethane	12.542	117	44083	49.316	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	134926	47.924	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18429	45.317	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	75335	48.562	ug/l	98
94) Hexachlorobutadiene	13.725	225	28198	54.477	ug/l	98
95) Naphthalene	13.774	128	262338	46.174	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	74124	46.358	ug/l	98

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

