

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031860.D
 Acq On : 04 Oct 2022 01:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/04/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Oct 04 08:06:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	115504	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	162626	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184662	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88550	42.792	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.580%		
35) Dibromofluoromethane	5.391	113	90898	47.044	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.080%		
50) Toluene-d8	8.646	98	332658	48.127	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.260%		
62) 4-Bromofluorobenzene	11.079	95	120889	48.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	70591	47.275	ug/l	99
3) Chloromethane	1.288	50	61411	39.232	ug/l	98
4) Vinyl Chloride	1.373	62	78767	39.503	ug/l	97
5) Bromomethane	1.611	94	47755	35.777	ug/l	99
6) Chloroethane	1.690	64	72081	42.136	ug/l	98
7) Trichlorofluoromethane	1.886	101	157719	38.759	ug/l	99
8) Diethyl Ether	2.129	74	53165	49.034	ug/l	71
9) 1,1,2-Trichlorotrifluo...	2.324	101	76741	43.656	ug/l #	86
10) Methyl Iodide	2.452	142	63932	38.744	ug/l	99
11) Tert butyl alcohol	3.019	59	56980	197.781	ug/l #	90
12) 1,1-Dichloroethene	2.318	96	72087	44.660	ug/l #	79
13) Acrolein	2.239	56	30157	176.805	ug/l	100
14) Allyl chloride	2.660	41	80851	39.240	ug/l #	92
15) Acrylonitrile	3.068	53	154120	204.801	ug/l	98
16) Acetone	2.392	43	114296	237.260	ug/l	93
17) Carbon Disulfide	2.513	76	169849	45.328	ug/l	99
18) Methyl Acetate	2.709	43	80933	41.812	ug/l #	81
19) Methyl tert-butyl Ether	3.111	73	234405	44.608	ug/l	94
20) Methylene Chloride	2.788	84	77798	42.975	ug/l #	81
21) trans-1,2-Dichloroethene	3.093	96	82561	43.630	ug/l	84
22) Diisopropyl ether	3.757	45	184940	42.332	ug/l #	82
23) Vinyl Acetate	3.721	43	717545	219.566	ug/l #	88
24) 1,1-Dichloroethane	3.611	63	123433	42.040	ug/l	95
25) 2-Butanone	4.562	43	191077	201.234	ug/l #	86
26) 2,2-Dichloropropane	4.476	77	89200	35.586	ug/l	91
27) cis-1,2-Dichloroethene	4.489	96	97258	44.203	ug/l	77
28) Bromochloromethane	4.897	49	45087	37.997	ug/l #	40
29) Tetrahydrofuran	5.007	42	120894	206.207	ug/l #	76
30) Chloroform	5.092	83	150054	42.721	ug/l	98
31) Cyclohexane	5.470	56	104438	42.376	ug/l #	81
32) 1,1,1-Trichloroethane	5.385	97	141720	42.518	ug/l #	94
36) 1,1-Dichloropropene	5.696	75	106084	44.279	ug/l	91
37) Ethyl Acetate	4.714	43	78295	43.173	ug/l #	92
38) Carbon Tetrachloride	5.678	117	130945	44.027	ug/l	97
39) Methylcyclohexane	7.385	83	134364	45.716	ug/l #	84
40) Benzene	6.037	78	322939	46.660	ug/l	99

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41) Methacrylonitrile	4.922	41	41673	42.287	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	105575	43.542	ug/l	93
43) Isopropyl Acetate	6.342	43	130664	44.561	ug/l #	89
44) Trichloroethene	7.128	130	106832	47.779	ug/l	80
45) 1,2-Dichloropropane	7.433	63	70935	43.748	ug/l	99
46) Dibromomethane	7.580	93	62304	46.100	ug/l #	81
47) Bromodichloromethane	7.823	83	116158	42.945	ug/l	99
48) Methyl methacrylate	7.695	41	61835	47.125	ug/l #	82
49) 1,4-Dioxane	7.708	88	34547	812.304	ug/l #	83
51) 4-Methyl-2-Pentanone	8.573	43	399757	217.186	ug/l	89
52) Toluene	8.720	92	226371	46.654	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	113852	44.142	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	125032	44.239	ug/l #	85
55) 1,1,2-Trichloroethane	9.152	97	91336	47.227	ug/l	95
56) Ethyl methacrylate	9.116	69	116461	52.080	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	137972	45.938	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	275204	238.827	ug/l #	80
59) 2-Hexanone	9.433	43	295077	220.518	ug/l	86
60) Dibromochloromethane	9.524	129	107202	45.660	ug/l	100
61) 1,2-Dibromoethane	9.610	107	100677	46.880	ug/l	97
64) Tetrachloroethene	9.274	164	117090	50.718	ug/l	94
65) Chlorobenzene	10.079	112	264617	47.259	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	100188	46.487	ug/l	97
67) Ethyl Benzene	10.195	91	424889	46.100	ug/l	95
68) m/p-Xylenes	10.305	106	358399	94.189	ug/l	90
69) o-Xylene	10.640	106	177429	48.401	ug/l	88
70) Styrene	10.658	104	287604	48.268	ug/l	94
71) Bromoform	10.799	173	82581	45.565	ug/l #	99
73) Isopropylbenzene	10.963	105	455736	46.032	ug/l	97
74) N-amyl acetate	10.841	43	113700	49.035	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	121696	43.185	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	104715m	41.063	ug/l	
77) Bromobenzene	11.201	156	127993	49.016	ug/l	79
78) n-propylbenzene	11.305	91	489897	45.273	ug/l	94
79) 2-Chlorotoluene	11.366	91	291769	44.625	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	386206	46.715	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	30628	41.231	ug/l	93
82) 4-Chlorotoluene	11.457	91	336404	44.576	ug/l	91
83) tert-Butylbenzene	11.713	119	393929	47.142	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	384213	46.696	ug/l	95
85) sec-Butylbenzene	11.890	105	464649	46.191	ug/l	95
86) p-Isopropyltoluene	12.012	119	417849	47.597	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	236211	47.942	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	240946	46.822	ug/l	96
89) n-Butylbenzene	12.335	91	308919	44.550	ug/l	96
90) Hexachloroethane	12.542	117	64057	40.448	ug/l	77
91) 1,2-Dichlorobenzene	12.335	146	234960	47.618	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.944	75	25345	42.769	ug/l	54
93) 1,2,4-Trichlorobenzene	13.585	180	155577	51.517	ug/l	97
94) Hexachlorobutadiene	13.725	225	62915	50.629	ug/l	99
95) Naphthalene	13.774	128	539627	57.365	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	154523	52.766	ug/l	98

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

