

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072123\
 Data File : VX036618.D
 Acq On : 21 Jul 2023 18:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 21 23:07:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2023
 Supervised By : Mahesh Dadoda 07/24/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	184078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	317130	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	289706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	125763	46.173	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.340%		
35) Dibromofluoromethane	5.385	113	102004	46.796	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.600%		
50) Toluene-d8	8.647	98	372458	48.184	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.360%		
62) 4-Bromofluorobenzene	11.079	95	145877	50.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	109237	44.921	ug/l	99
3) Chloromethane	1.295	50	97229	43.960	ug/l	100
4) Vinyl Chloride	1.374	62	105787	46.978	ug/l	98
5) Bromomethane	1.618	94	63077	46.919	ug/l	100
6) Chloroethane	1.685	64	56252	51.381	ug/l	100
7) Trichlorofluoromethane	1.886	101	166614	47.912	ug/l	100
8) Diethyl Ether	2.136	74	62355	46.347	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	101786	48.719	ug/l	98
10) Methyl Iodide	2.453	142	108647	50.067	ug/l	91
11) Tert butyl alcohol	2.989	59	162478	251.974	ug/l	97
12) 1,1-Dichloroethene	2.319	96	97977	47.533	ug/l	91
13) Acrolein	2.239	56	86014	233.735	ug/l	99
14) Allyl chloride	2.666	41	189994	46.810	ug/l	94
15) Acrylonitrile	3.069	53	323803	249.701	ug/l	99
16) Acetone	2.392	43	261587	231.445	ug/l	93
17) Carbon Disulfide	2.514	76	260378	45.770	ug/l	99
18) Methyl Acetate	2.709	43	237528	49.957	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	378370	48.849	ug/l	100
20) Methylene Chloride	2.788	84	114510	45.556	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	107519	46.673	ug/l	92
22) Diisopropyl ether	3.757	45	372547	48.342	ug/l	99
23) Vinyl Acetate	3.721	43	1453327	245.847	ug/l	96
24) 1,1-Dichloroethane	3.611	63	208604	48.279	ug/l	98
25) 2-Butanone	4.562	43	452274	246.640	ug/l	96
26) 2,2-Dichloropropane	4.477	77	185506	45.564	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	129236	47.232	ug/l	95
28) Bromochloromethane	4.904	49	101097	48.379	ug/l	92
29) Tetrahydrofuran	5.013	42	295920	250.303	ug/l	95
30) Chloroform	5.099	83	215336	48.713	ug/l	98
31) Cyclohexane	5.471	56	177768	47.138	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	192177	47.446	ug/l	98
36) 1,1-Dichloropropene	5.696	75	154847	47.661	ug/l	99
37) Ethyl Acetate	4.715	43	184688	50.224	ug/l	97
38) Carbon Tetrachloride	5.678	117	168103	48.668	ug/l	99
39) Methylcyclohexane	7.379	83	192110	47.553	ug/l	97
40) Benzene	6.038	78	457437	48.393	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	100304	50.999	ug/l	96
42) 1,2-Dichloroethane	6.086	62	170467	49.324	ug/l	96
43) Isopropyl Acetate	6.342	43	312299	49.336	ug/l	96
44) Trichloroethene	7.129	130	119180	48.235	ug/l	100
45) 1,2-Dichloropropane	7.434	63	122186	48.414	ug/l	99
46) Dibromomethane	7.580	93	86363	48.895	ug/l	97
47) Bromodichloromethane	7.824	83	178093	49.121	ug/l	99
48) Methyl methacrylate	7.690	41	146651	49.817	ug/l	93
49) 1,4-Dioxane	7.702	88	58935	991.007	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	893556	255.084	ug/l	96
52) Toluene	8.720	92	289460	48.871	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	202405	49.393	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	211236	48.851	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	121084	48.633	ug/l	96
56) Ethyl methacrylate	9.116	69	205441	50.674	ug/l	95
57) 1,3-Dichloropropane	9.311	76	207914	50.138	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	490016	245.300	ug/l	99
59) 2-Hexanone	9.433	43	668366	257.085	ug/l	95
60) Dibromochloromethane	9.519	129	136387	49.840	ug/l	99
61) 1,2-Dibromoethane	9.610	107	129545	50.204	ug/l	100
64) Tetrachloroethene	9.275	164	103706	47.993	ug/l	98
65) Chlorobenzene	10.080	112	308961	48.382	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	120874	48.972	ug/l	98
67) Ethyl Benzene	10.195	91	564286	48.370	ug/l	100
68) m/p-Xylenes	10.299	106	422852	97.148	ug/l	98
69) o-Xylene	10.640	106	210745	48.506	ug/l	99
70) Styrene	10.653	104	351921	49.094	ug/l	98
71) Bromoform	10.799	173	100234	50.167	ug/l #	100
73) Isopropylbenzene	10.964	105	550306	47.811	ug/l	98
74) N-amyl acetate	10.842	43	258638	48.187	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	185430	47.699	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	158479m	48.445	ug/l	
77) Bromobenzene	11.195	156	126155	48.128	ug/l	98
78) n-propylbenzene	11.305	91	642798	48.289	ug/l	100
79) 2-Chlorotoluene	11.366	91	385443	47.785	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	463748	48.162	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	70080	48.556	ug/l	85
82) 4-Chlorotoluene	11.451	91	440866	47.969	ug/l	100
83) tert-Butylbenzene	11.713	119	465810	49.243	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	465459	48.335	ug/l	97
85) sec-Butylbenzene	11.890	105	578927	49.074	ug/l	99
86) p-Isopropyltoluene	12.006	119	475891	49.026	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	236600	48.735	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	236084	49.001	ug/l	99
89) n-Butylbenzene	12.329	91	427640	49.213	ug/l	100
90) Hexachloroethane	12.536	117	95879	48.722	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	225795	48.196	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43191	47.811	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	141996	49.196	ug/l	96
94) Hexachlorobutadiene	13.725	225	56403	47.234	ug/l	100
95) Naphthalene	13.774	128	497664	49.478	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	138393	48.647	ug/l	98

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

