

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040524\
 Data File : VX040913.D
 Acq On : 05 Apr 2024 18:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/08/2024
 Supervised By : Mahesh Dadoda 04/08/2024

Quant Time: Apr 05 23:26:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	50162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	86559	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	81735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	42639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	44888	49.873	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.740%		
35) Dibromofluoromethane	5.385	113	29941	48.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.680%		
50) Toluene-d8	8.647	98	106093	47.889	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.780%		
62) 4-Bromofluorobenzene	11.079	95	42832	48.413	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.820%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	30687	45.133	ug/l	95
3) Chloromethane	1.301	50	30756	52.362	ug/l	97
4) Vinyl Chloride	1.374	62	32973	54.382	ug/l	99
5) Bromomethane	1.599	94	21817	58.489	ug/l	99
6) Chloroethane	1.685	64	21321	54.552	ug/l	100
7) Trichlorofluoromethane	1.886	101	55194	47.555	ug/l	98
8) Diethyl Ether	2.136	74	19218	51.239	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	26816	44.817	ug/l	98
10) Methyl Iodide	2.453	142	34495	47.525	ug/l	99
11) Tert butyl alcohol	2.959	59	38284	232.982	ug/l #	89
12) 1,1-Dichloroethene	2.319	96	25855	46.072	ug/l	92
13) Acrolein	2.239	56	20593	229.581	ug/l	100
14) Allyl chloride	2.666	41	49496	49.235	ug/l	91
15) Acrylonitrile	3.062	53	84934	245.022	ug/l	97
16) Acetone	2.380	43	78223	223.827	ug/l	99
17) Carbon Disulfide	2.514	76	67451	41.548	ug/l	99
18) Methyl Acetate	2.703	43	40962	49.404	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	99006	50.121	ug/l	96
20) Methylene Chloride	2.788	84	30500	47.093	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	26881	45.351	ug/l	94
22) Diisopropyl ether	3.757	45	100203	51.218	ug/l	92
23) Vinyl Acetate	3.721	43	487434	259.948	ug/l	99
24) 1,1-Dichloroethane	3.611	63	53761	48.098	ug/l	99
25) 2-Butanone	4.550	43	126435	243.543	ug/l	100
26) 2,2-Dichloropropane	4.471	77	44351	46.217	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	33780	49.352	ug/l	99
28) Bromochloromethane	4.897	49	25064	49.871	ug/l	98
29) Tetrahydrofuran	5.001	42	83486	247.416	ug/l	99
30) Chloroform	5.086	83	60598	49.810	ug/l	98
31) Cyclohexane	5.471	56	42431	44.426	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	53228	49.235	ug/l	99
36) 1,1-Dichloropropene	5.690	75	39187	44.983	ug/l	98
37) Ethyl Acetate	4.708	43	49839	46.591	ug/l	98
38) Carbon Tetrachloride	5.678	117	44419	46.059	ug/l	96
39) Methylcyclohexane	7.379	83	44047	42.317	ug/l	98
40) Benzene	6.037	78	113766	47.052	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	28465	51.814	ug/l	98
42) 1,2-Dichloroethane	6.086	62	51898	49.420	ug/l	97
43) Isopropyl Acetate	6.336	43	82687	50.053	ug/l	97
44) Trichloroethene	7.123	130	28943	47.929	ug/l	98
45) 1,2-Dichloropropane	7.427	63	29639	51.350	ug/l	99
46) Dibromomethane	7.580	93	23529	49.735	ug/l	99
47) Bromodichloromethane	7.824	83	48986	49.767	ug/l	97
48) Methyl methacrylate	7.690	41	42092	52.032	ug/l	97
49) 1,4-Dioxane	7.653	88	15752	1020.381	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	277030	252.813	ug/l	96
52) Toluene	8.720	92	71257	46.707	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	47014	46.450	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	49310	50.523	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	29238	49.108	ug/l	92
56) Ethyl methacrylate	9.116	69	51943	50.807	ug/l #	91
57) 1,3-Dichloropropane	9.305	76	51417	49.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	123177	248.530	ug/l	96
59) 2-Hexanone	9.427	43	216653	246.525	ug/l	96
60) Dibromochloromethane	9.519	129	35244	49.587	ug/l	99
61) 1,2-Dibromoethane	9.610	107	31993	49.806	ug/l	98
64) Tetrachloroethene	9.275	164	23365	43.197	ug/l	98
65) Chlorobenzene	10.079	112	81285	45.473	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	28802	48.542	ug/l	99
67) Ethyl Benzene	10.195	91	145586	45.669	ug/l	98
68) m/p-Xylenes	10.299	106	106407	91.740	ug/l	92
69) o-Xylene	10.640	106	52127	47.704	ug/l	93
70) Styrene	10.653	104	89609	47.324	ug/l	96
71) Bromoform	10.799	173	24528	46.848	ug/l #	99
73) Isopropylbenzene	10.963	105	137275	46.096	ug/l	100
74) N-amyl acetate	10.842	43	76982	51.036	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	50331	49.428	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	43586m	47.937	ug/l	
77) Bromobenzene	11.195	156	33876	48.492	ug/l	98
78) n-propylbenzene	11.305	91	169743	45.608	ug/l	98
79) 2-Chlorotoluene	11.366	91	101435	45.668	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	120101	47.219	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	15411	45.730	ug/l	94
82) 4-Chlorotoluene	11.451	91	122591	46.229	ug/l	99
83) tert-Butylbenzene	11.713	119	114213	45.264	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	122045	47.632	ug/l	99
85) sec-Butylbenzene	11.890	105	143863	44.892	ug/l	100
86) p-Isopropyltoluene	12.006	119	123238	45.850	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	63580	45.026	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	65682	43.837	ug/l	100
89) n-Butylbenzene	12.329	91	119854	45.136	ug/l	95
90) Hexachloroethane	12.536	117	21565	46.057	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	63308	45.747	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	13110	50.104	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	42699	44.508	ug/l	97
94) Hexachlorobutadiene	13.725	225	15357	41.786	ug/l	98
95) Naphthalene	13.774	128	150879	48.843	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	42015	45.906	ug/l	99

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

