

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070723\
 Data File : VX036448.D
 Acq On : 07 Jul 2023 09:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2023
 Supervised By : Mahesh Dadoda 07/10/2023

Quant Time: Jul 07 23:00:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	192567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	319840	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	287011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	139162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	131824	47.757	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.520%		
35) Dibromofluoromethane	5.385	113	109008	51.689	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.380%		
50) Toluene-d8	8.647	98	389870	49.496	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.000%		
62) 4-Bromofluorobenzene	11.079	95	144323	52.018	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	97135	53.280	ug/l	97
3) Chloromethane	1.295	50	130181	41.163	ug/l	100
4) Vinyl Chloride	1.374	62	176228	50.969	ug/l	98
5) Bromomethane	1.618	94	150070	59.318	ug/l	97
6) Chloroethane	1.691	64	127573	50.260	ug/l	96
7) Trichlorofluoromethane	1.886	101	249257	47.418	ug/l	100
8) Diethyl Ether	2.136	74	90776	44.735	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.325	101	118143	53.552	ug/l	97
10) Methyl Iodide	2.453	142	135396	50.650	ug/l	93
11) Tert butyl alcohol	2.995	59	142513	283.633	ug/l #	86
12) 1,1-Dichloroethene	2.319	96	110631	50.552	ug/l	88
13) Acrolein	2.239	56	145211	210.435	ug/l	99
14) Allyl chloride	2.666	41	189011	53.145	ug/l	97
15) Acrylonitrile	3.069	53	317245	249.097	ug/l	98
16) Acetone	2.392	43	304454	258.048	ug/l	93
17) Carbon Disulfide	2.514	76	259643	48.307	ug/l	97
18) Methyl Acetate	2.709	43	249538	51.432	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	375067	53.031	ug/l	100
20) Methylene Chloride	2.788	84	123488	48.611	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	114862	49.185	ug/l	91
22) Diisopropyl ether	3.757	45	376039	52.766	ug/l	92
23) Vinyl Acetate	3.721	43	1404712	271.612	ug/l	99
24) 1,1-Dichloroethane	3.605	63	217005	51.668	ug/l	99
25) 2-Butanone	4.562	43	452438	266.895	ug/l	95
26) 2,2-Dichloropropane	4.477	77	185401	62.241	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	136415	52.086	ug/l	94
28) Bromochloromethane	4.891	49	99448	45.656	ug/l	90
29) Tetrahydrofuran	5.007	42	279988	259.425	ug/l	94
30) Chloroform	5.093	83	223369	52.803	ug/l	97
31) Cyclohexane	5.465	56	184328	52.110	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	194818	55.134	ug/l	98
36) 1,1-Dichloropropene	5.690	75	168085	53.468	ug/l	98
37) Ethyl Acetate	4.715	43	176844	55.194	ug/l	99
38) Carbon Tetrachloride	5.678	117	167789	58.439	ug/l	97
39) Methylcyclohexane	7.379	83	207626	55.142	ug/l	93
40) Benzene	6.031	78	475408	54.136	ug/l	99

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	96997	54.571	ug/l	94
42) 1,2-Dichloroethane	6.086	62	178430	53.419	ug/l	98
43) Isopropyl Acetate	6.336	43	289930	56.723	ug/l	97
44) Trichloroethene	7.123	130	131977	54.032	ug/l	98
45) 1,2-Dichloropropane	7.428	63	130767	54.675	ug/l	99
46) Dibromomethane	7.580	93	91871	54.569	ug/l	95
47) Bromodichloromethane	7.818	83	170577	56.028	ug/l	96
48) Methyl methacrylate	7.690	41	140156	54.995	ug/l	91
49) 1,4-Dioxane	7.708	88	60423	1069.488	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	892920	271.154	ug/l	98
52) Toluene	8.714	92	295178	53.039	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	189769	61.705	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	206841	59.496	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	124681	53.906	ug/l	98
56) Ethyl methacrylate	9.116	69	198127	57.270	ug/l	96
57) 1,3-Dichloropropane	9.305	76	209905	52.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	509799	262.212	ug/l	99
59) 2-Hexanone	9.427	43	687989	286.096	ug/l	98
60) Dibromochloromethane	9.519	129	131466	58.501	ug/l	100
61) 1,2-Dibromoethane	9.610	107	133775	54.500	ug/l	99
64) Tetrachloroethene	9.275	164	121705	60.055	ug/l	96
65) Chlorobenzene	10.080	112	330033	54.701	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	121654	59.654	ug/l	98
67) Ethyl Benzene	10.195	91	584475	54.491	ug/l	97
68) m/p-Xylenes	10.299	106	457800	109.855	ug/l	95
69) o-Xylene	10.640	106	223075	55.432	ug/l	96
70) Styrene	10.653	104	362480	55.012	ug/l	98
71) Bromoform	10.799	173	92511	63.245	ug/l #	100
73) Isopropylbenzene	10.964	105	577848	55.099	ug/l	97
74) N-amyl acetate	10.842	43	252817	60.946	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	190101	53.528	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	162715m	54.816	ug/l	
77) Bromobenzene	11.195	156	138616	53.753	ug/l	93
78) n-propylbenzene	11.305	91	681984	55.682	ug/l	99
79) 2-Chlorotoluene	11.366	91	398023	54.629	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	491605	55.352	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	60089	65.987	ug/l	89
82) 4-Chlorotoluene	11.451	91	460178	54.251	ug/l	97
83) tert-Butylbenzene	11.713	119	470144	55.235	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	483554	55.032	ug/l	97
85) sec-Butylbenzene	11.890	105	607882	56.374	ug/l	100
86) p-Isopropyltoluene	12.006	119	515140	56.924	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	260444	54.932	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	254745	52.767	ug/l	98
89) n-Butylbenzene	12.329	91	472784	58.704	ug/l	97
90) Hexachloroethane	12.536	117	85474	62.361	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	259605	55.608	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	42285	62.685	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	172338	59.933	ug/l	97
94) Hexachlorobutadiene	13.725	225	70886	60.191	ug/l	98
95) Naphthalene	13.774	128	558559	58.797	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	169969	60.596	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

