

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070723\
 Data File : VX036452.D
 Acq On : 07 Jul 2023 11:55
 Operator : JC/MD
 Sample : VX0707WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0707WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jul 07 23:02:51 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	178259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	306356	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	274040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	131503	51.464	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.920%			
35) Dibromofluoromethane	5.385	113	106635	52.789	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.580%			
50) Toluene-d8	8.647	98	379179	50.257	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.520%			
62) 4-Bromofluorobenzene	11.079	95	141143	53.111	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.220%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	32296	19.137	ug/l	95
3) Chloromethane	1.295	50	43667	14.916	ug/l	91
4) Vinyl Chloride	1.374	62	48578	15.178	ug/l	98
5) Bromomethane	1.618	94	39650	16.930	ug/l	97
6) Chloroethane	1.691	64	43570	18.543	ug/l	96
7) Trichlorofluoromethane	1.886	101	84104	17.284	ug/l	98
8) Diethyl Ether	2.136	74	33949	18.073	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	38215	18.712	ug/l	95
10) Methyl Iodide	2.453	142	46036	18.604	ug/l	95
11) Tert butyl alcohol	3.014	59	57551	123.733	ug/l	98
12) 1,1-Dichloroethene	2.319	96	37328	18.426	ug/l	90
13) Acrolein	2.239	56	40350	63.167	ug/l	98
14) Allyl chloride	2.666	41	64634	19.632	ug/l	97
15) Acrylonitrile	3.069	53	120598	102.293	ug/l	98
16) Acetone	2.392	43	108087	98.965	ug/l	96
17) Carbon Disulfide	2.514	76	86906	17.467	ug/l	100
18) Methyl Acetate	2.709	43	94611	21.066	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	135490	20.695	ug/l	99
20) Methylene Chloride	2.788	84	47108	20.032	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	39529	18.285	ug/l	91
22) Diisopropyl ether	3.757	45	134282	20.355	ug/l	95
23) Vinyl Acetate	3.721	43	508861	106.290	ug/l	100
24) 1,1-Dichloroethane	3.611	63	76811	19.756	ug/l	99
25) 2-Butanone	4.562	43	165217	105.285	ug/l	99
26) 2,2-Dichloropropane	4.477	77	60684	22.008	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	47484	19.586	ug/l	93
28) Bromochloromethane	4.898	49	40963	20.315	ug/l	89
29) Tetrahydrofuran	5.013	42	107321	107.421	ug/l	94
30) Chloroform	5.099	83	80001	20.430	ug/l	99
31) Cyclohexane	5.471	56	63090	19.267	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	64909	19.844	ug/l	98
36) 1,1-Dichloropropene	5.690	75	56155	18.649	ug/l	97
37) Ethyl Acetate	4.715	43	64745	21.097	ug/l	98
38) Carbon Tetrachloride	5.678	117	55777	20.282	ug/l	98
39) Methylcyclohexane	7.379	83	68500	18.993	ug/l	93
40) Benzene	6.038	78	166769	19.826	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	34849	20.469	ug/l	93
42) 1,2-Dichloroethane	6.086	62	64339	20.110	ug/l	98
43) Isopropyl Acetate	6.336	43	104824	21.411	ug/l	97
44) Trichloroethene	7.129	130	45310	19.367	ug/l	95
45) 1,2-Dichloropropane	7.428	63	45810	19.997	ug/l	95
46) Dibromomethane	7.580	93	32401	20.093	ug/l	92
47) Bromodichloromethane	7.818	83	58283	19.986	ug/l	97
48) Methyl methacrylate	7.696	41	51036	20.907	ug/l	92
49) 1,4-Dioxane	7.708	88	24427	451.388	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	341517	108.273	ug/l	99
52) Toluene	8.720	92	104920	19.682	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	64482	21.890	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	70612	21.205	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	44766	20.207	ug/l	92
56) Ethyl methacrylate	9.116	69	70180	21.179	ug/l	95
57) 1,3-Dichloropropane	9.311	76	78276	20.616	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	198634	106.663	ug/l	99
59) 2-Hexanone	9.427	43	255740	111.029	ug/l	98
60) Dibromochloromethane	9.519	129	44645	20.741	ug/l	99
61) 1,2-Dibromoethane	9.610	107	48629	20.684	ug/l	98
64) Tetrachloroethene	9.275	164	41858	21.633	ug/l	94
65) Chlorobenzene	10.080	112	115519	20.053	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	41904	21.520	ug/l	98
67) Ethyl Benzene	10.195	91	203581	19.878	ug/l	99
68) m/p-Xylenes	10.299	106	158890	39.932	ug/l	97
69) o-Xylene	10.640	106	78411	20.407	ug/l	97
70) Styrene	10.653	104	125957	20.021	ug/l	97
71) Bromoform	10.799	173	30830	22.074	ug/l #	98
73) Isopropylbenzene	10.964	105	201258	19.803	ug/l	97
74) N-amyl acetate	10.842	43	90101	22.413	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	70646	20.527	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	58532m	20.348	ug/l	
77) Bromobenzene	11.195	156	50072	20.037	ug/l	91
78) n-propylbenzene	11.305	91	232653	19.601	ug/l	98
79) 2-Chlorotoluene	11.366	91	140080	19.839	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	167089	19.413	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	19522	22.122	ug/l	96
82) 4-Chlorotoluene	11.451	91	160361	19.508	ug/l	97
83) tert-Butylbenzene	11.713	119	166200	20.149	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	171429	20.132	ug/l	95
85) sec-Butylbenzene	11.890	105	206802	19.790	ug/l	98
86) p-Isopropyltoluene	12.006	119	178570	20.362	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	90779	19.758	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	94070	20.107	ug/l	98
89) n-Butylbenzene	12.335	91	156390	20.038	ug/l	98
90) Hexachloroethane	12.536	117	27175	20.459	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	91191	20.157	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15953	24.404	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	59777	21.451	ug/l	94
94) Hexachlorobutadiene	13.725	225	24133	21.146	ug/l	98
95) Naphthalene	13.774	128	203488	22.104	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	58657	21.579	ug/l	96

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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

