

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034579.D
 Acq On : 17 Mar 2023 13:11
 Operator : JC/MD
 Sample : VX0317WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0317WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/20/2023
 Supervised By : Mahesh Dadoda 03/20/2023

Quant Time: Mar 19 23:59:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	255621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	437233	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	403654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	196660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	194684	52.352	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.700%			
35) Dibromofluoromethane	5.385	113	148011	51.271	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.540%			
50) Toluene-d8	8.647	98	544385	50.515	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.040%			
62) 4-Bromofluorobenzene	11.079	95	214944	49.379	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	43314	18.176	ug/l	98
3) Chloromethane	1.313	50	60081	15.744	ug/l	98
4) Vinyl Chloride	1.374	62	59484	18.332	ug/l	99
5) Bromomethane	1.599	94	35744	21.833	ug/l	100
6) Chloroethane	1.685	64	38789	20.762	ug/l	96
7) Trichlorofluoromethane	1.886	101	97473	19.992	ug/l	99
8) Diethyl Ether	2.130	74	37434	21.032	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	54080	19.033	ug/l	97
10) Methyl Iodide	2.453	142	71800	19.247	ug/l	97
11) Tert butyl alcohol	2.959	59	79325	102.433	ug/l	100
12) 1,1-Dichloroethene	2.319	96	51440	18.382	ug/l	96
13) Acrolein	2.233	56	71817	117.227	ug/l	99
14) Allyl chloride	2.666	41	101356	17.865	ug/l	98
15) Acrylonitrile	3.062	53	177564	106.144	ug/l	99
16) Acetone	2.380	43	165900	94.707	ug/l	99
17) Carbon Disulfide	2.508	76	114322	14.517	ug/l	99
18) Methyl Acetate	2.703	43	119116	20.811	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	200276	19.989	ug/l	98
20) Methylene Chloride	2.788	84	63203	18.590	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	55120	18.547	ug/l	99
22) Diisopropyl ether	3.763	45	218212	20.174	ug/l	93
23) Vinyl Acetate	3.721	43	832986	101.186	ug/l	98
24) 1,1-Dichloroethane	3.611	63	112270	19.308	ug/l	99
25) 2-Butanone	4.556	43	260705	104.013	ug/l	98
26) 2,2-Dichloropropane	4.477	77	88608	17.531	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	68327	19.099	ug/l	99
28) Bromochloromethane	4.897	49	50803	18.791	ug/l	98
29) Tetrahydrofuran	5.007	42	166240	107.484	ug/l	100
30) Chloroform	5.092	83	116272	20.400	ug/l	98
31) Cyclohexane	5.470	56	94921	18.200	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	96553	19.136	ug/l	99
36) 1,1-Dichloropropene	5.690	75	79695	17.974	ug/l	98
37) Ethyl Acetate	4.715	43	98087	20.249	ug/l	99
38) Carbon Tetrachloride	5.678	117	77589	17.590	ug/l	98
39) Methylcyclohexane	7.379	83	91215	17.190	ug/l	94
40) Benzene	6.037	78	244380	18.840	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	53459	20.138	ug/l	99
42) 1,2-Dichloroethane	6.086	62	96199	20.180	ug/l	99
43) Isopropyl Acetate	6.342	43	161527	19.684	ug/l	100
44) Trichloroethene	7.123	130	62709	18.607	ug/l	99
45) 1,2-Dichloropropane	7.427	63	65045	19.205	ug/l	94
46) Dibromomethane	7.580	93	44146	19.173	ug/l	100
47) Bromodichloromethane	7.824	83	84871	19.045	ug/l	98
48) Methyl methacrylate	7.690	41	79960	20.260	ug/l	98
49) 1,4-Dioxane	7.659	88	36442	439.616	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	513971	107.968	ug/l	99
52) Toluene	8.720	92	153553	19.121	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	90892	18.105	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	100305	18.467	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	63394	19.891	ug/l	99
56) Ethyl methacrylate	9.116	69	102193	19.530	ug/l	98
57) 1,3-Dichloropropane	9.311	76	111385	19.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	228799	84.843	ug/l	99
59) 2-Hexanone	9.427	43	392124	106.559	ug/l	98
60) Dibromochloromethane	9.519	129	62952	18.834	ug/l	95
61) 1,2-Dibromoethane	9.610	107	65688	19.100	ug/l	100
64) Tetrachloroethene	9.275	164	47969	17.691	ug/l	97
65) Chlorobenzene	10.079	112	164787	18.606	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	59839	18.551	ug/l	99
67) Ethyl Benzene	10.195	91	298242	18.810	ug/l	99
68) m/p-Xylenes	10.299	106	224550	36.868	ug/l	98
69) o-Xylene	10.640	106	111799	18.291	ug/l	97
70) Styrene	10.652	104	184548	18.714	ug/l	100
71) Bromoform	10.799	173	42517	17.124	ug/l #	99
73) Isopropylbenzene	10.963	105	295190	19.421	ug/l	99
74) N-amyl acetate	10.841	43	145020	19.920	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	106040	20.907	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	84981m	18.820	ug/l	
77) Bromobenzene	11.195	156	71409	19.582	ug/l	98
78) n-propylbenzene	11.305	91	341868	19.476	ug/l	99
79) 2-Chlorotoluene	11.366	91	211478	19.507	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	247590	19.421	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	27273	16.340	ug/l	89
82) 4-Chlorotoluene	11.457	91	241545	19.343	ug/l	99
83) tert-Butylbenzene	11.713	119	249224	19.389	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	247721	19.013	ug/l	100
85) sec-Butylbenzene	11.890	105	300771	19.140	ug/l	99
86) p-Isopropyltoluene	12.006	119	248307	18.801	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	133237	18.647	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	133684	18.504	ug/l	99
89) n-Butylbenzene	12.335	91	212212	18.074	ug/l	99
90) Hexachloroethane	12.542	117	41058	16.801	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	134356	19.458	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22254	19.312	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	78947	18.283	ug/l	99
94) Hexachlorobutadiene	13.725	225	31413	18.058	ug/l	98
95) Naphthalene	13.774	128	284146	19.623	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	79415	18.815	ug/l	98

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

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