

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032723\
 Data File : VX034744.D
 Acq On : 27 Mar 2023 12:44
 Operator : JC/MD
 Sample : VX0327WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2023
 Supervised By : Semsettin Yesilyurt 03/28/2023

Quant Time: Mar 28 03:17:41 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	5.556	168	317931	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	526995	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	461019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	228871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	218771	47.299	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.600%		
35) Dibromofluoromethane	5.385	113	163237	46.914	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.820%		
50) Toluene-d8	8.647	98	582083	44.813	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.620%#		
62) 4-Bromofluorobenzene	11.079	95	238182	45.397	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	72798	24.561	ug/l	98
3) Chloromethane	1.294	50	79971	16.944	ug/l	99
4) Vinyl Chloride	1.373	62	78746	19.512	ug/l	97
5) Bromomethane	1.617	94	48947	24.038	ug/l	97
6) Chloroethane	1.690	64	46708	20.101	ug/l	99
7) Trichlorofluoromethane	1.892	101	114786	18.929	ug/l	97
8) Diethyl Ether	2.136	74	44916	20.290	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	70009	19.810	ug/l	100
10) Methyl Iodide	2.453	142	86624	18.670	ug/l	93
11) Tert butyl alcohol	2.989	59	92099m	95.620	ug/l	
12) 1,1-Dichloroethene	2.318	96	65034	18.685	ug/l	93
13) Acrolein	2.239	56	62415	81.913	ug/l	98
14) Allyl chloride	2.666	41	127031	18.003	ug/l	96
15) Acrylonitrile	3.062	53	198969	95.629	ug/l	99
16) Acetone	2.385	43	181819	83.452	ug/l	96
17) Carbon Disulfide	2.514	76	144984	14.802	ug/l	99
18) Methyl Acetate	2.703	43	147212	20.679	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	254283	20.405	ug/l	96
20) Methylene Chloride	2.788	84	75845	17.937	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	71067	19.227	ug/l	96
22) Diisopropyl ether	3.757	45	261705	19.453	ug/l	98
23) Vinyl Acetate	3.721	43	955884	93.358	ug/l	99
24) 1,1-Dichloroethane	3.611	63	139586	19.301	ug/l	100
25) 2-Butanone	4.556	43	285787	91.673	ug/l	98
26) 2,2-Dichloropropane	4.477	77	118573	18.862	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	83231	18.705	ug/l	96
28) Bromochloromethane	4.897	49	66095	19.656	ug/l	99
29) Tetrahydrofuran	5.007	42	187692	97.571	ug/l	100
30) Chloroform	5.092	83	143878	20.296	ug/l	100
31) Cyclohexane	5.476	56	125912	19.411	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	127020	20.240	ug/l	99
36) 1,1-Dichloropropene	5.696	75	105740	19.786	ug/l	99
37) Ethyl Acetate	4.714	43	112175	19.213	ug/l	99
38) Carbon Tetrachloride	5.678	117	106003	19.938	ug/l	97
39) Methylcyclohexane	7.378	83	122694	19.184	ug/l	98
40) Benzene	6.037	78	302255	19.333	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	64593	20.187	ug/l	97
42) 1,2-Dichloroethane	6.086	62	122890	21.388	ug/l	98
43) Isopropyl Acetate	6.336	43	189144	19.123	ug/l	99
44) Trichloroethene	7.122	130	78896	19.422	ug/l	97
45) 1,2-Dichloropropane	7.433	63	79299	19.426	ug/l	99
46) Dibromomethane	7.580	93	52714	18.995	ug/l	98
47) Bromodichloromethane	7.824	83	101671	18.929	ug/l	99
48) Methyl methacrylate	7.696	41	94946	19.960	ug/l	97
49) 1,4-Dioxane	7.696	88	39746	397.806	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	572729	99.819	ug/l	100
52) Toluene	8.720	92	192649	19.904	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	111099	18.360	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	121518	18.562	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	76314	19.867	ug/l	98
56) Ethyl methacrylate	9.116	69	123711	19.615	ug/l	98
57) 1,3-Dichloropropane	9.305	76	134810	19.746	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	267013	82.149	ug/l	98
59) 2-Hexanone	9.427	43	432597	97.534	ug/l	100
60) Dibromochloromethane	9.518	129	73964	18.359	ug/l	98
61) 1,2-Dibromoethane	9.610	107	81528	19.668	ug/l	97
64) Tetrachloroethene	9.274	164	68244	22.037	ug/l	97
65) Chlorobenzene	10.079	112	203083	20.077	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	72943	19.800	ug/l	99
67) Ethyl Benzene	10.195	91	375674	20.746	ug/l	99
68) m/p-Xylenes	10.299	106	282834	40.659	ug/l	97
69) o-Xylene	10.640	106	141551	20.277	ug/l	99
70) Styrene	10.652	104	230074	20.428	ug/l	99
71) Bromoform	10.799	173	47633	16.797	ug/l #	100
73) Isopropylbenzene	10.963	105	371600	21.007	ug/l	99
74) N-amyl acetate	10.841	43	162393	19.167	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	114982	19.479	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	98521m	18.748	ug/l	
77) Bromobenzene	11.195	156	87374	20.588	ug/l	98
78) n-propylbenzene	11.305	91	422664	20.690	ug/l	100
79) 2-Chlorotoluene	11.366	91	263157	20.858	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	313755	21.147	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	30807	15.859	ug/l	91
82) 4-Chlorotoluene	11.457	91	302007	20.781	ug/l	99
83) tert-Butylbenzene	11.713	119	303121	20.263	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	311286	20.529	ug/l	99
85) sec-Butylbenzene	11.890	105	375306	20.522	ug/l	99
86) p-Isopropyltoluene	12.006	119	314974	20.492	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	162728	19.569	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	161656	19.226	ug/l	96
89) n-Butylbenzene	12.335	91	262872	19.238	ug/l	99
90) Hexachloroethane	12.536	117	46560	16.371	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	162211	20.185	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25154	18.756	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	99099	19.720	ug/l	99
94) Hexachlorobutadiene	13.725	225	40625	20.066	ug/l	98
95) Naphthalene	13.774	128	349162	20.720	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	100782	20.516	ug/l	98

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

