

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041323\
 Data File : VX035037.D
 Acq On : 12 Apr 2023 11:27
 Operator : JC/MD
 Sample : VX0413WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/13/2023
 Supervised By : Mahesh Dadoda 04/13/2023

Quant Time: Apr 13 02:30:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	291138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	487633	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	436651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	212554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	220598	49.544	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.080%		
35) Dibromofluoromethane	5.385	113	166745	51.699	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.400%		
50) Toluene-d8	8.647	98	610967	51.321	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.640%		
62) 4-Bromofluorobenzene	11.079	95	240815	52.273	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.540%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	56609	19.495	ug/l	100
3) Chloromethane	1.295	50	65824	18.105	ug/l	98
4) Vinyl Chloride	1.374	62	64444	17.902	ug/l	98
5) Bromomethane	1.618	94	41386	17.692	ug/l	94
6) Chloroethane	1.691	64	39242	16.755	ug/l	99
7) Trichlorofluoromethane	1.886	101	94062	16.253	ug/l	99
8) Diethyl Ether	2.130	74	37982	18.616	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	59398	19.637	ug/l	100
10) Methyl Iodide	2.453	142	62412	16.569	ug/l	95
11) Tert butyl alcohol	3.008	59	72546	92.863	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	55287	18.498	ug/l	91
13) Acrolein	2.239	56	91956	114.347	ug/l	100
14) Allyl chloride	2.666	41	107502	18.359	ug/l	98
15) Acrylonitrile	3.069	53	177380	100.872	ug/l	99
16) Acetone	2.398	43	186460	103.087	ug/l	97
17) Carbon Disulfide	2.514	76	117204	15.657	ug/l	97
18) Methyl Acetate	2.709	43	131076	20.396	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	214077	19.346	ug/l	96
20) Methylene Chloride	2.788	84	66416	18.608	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	61528	18.875	ug/l	99
22) Diisopropyl ether	3.757	45	230250	19.488	ug/l	98
23) Vinyl Acetate	3.721	43	807094	95.783	ug/l	98
24) 1,1-Dichloroethane	3.611	63	120434	18.945	ug/l	98
25) 2-Butanone	4.568	43	261699	99.464	ug/l	99
26) 2,2-Dichloropropane	4.477	77	92064	17.611	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	72641	18.807	ug/l	100
28) Bromochloromethane	4.898	49	67876	21.828	ug/l	100
29) Tetrahydrofuran	5.013	42	164013	99.506	ug/l	98
30) Chloroform	5.093	83	124536	19.288	ug/l	98
31) Cyclohexane	5.471	56	101294	18.683	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	104477	18.962	ug/l	99
36) 1,1-Dichloropropene	5.696	75	89648	18.761	ug/l	99
37) Ethyl Acetate	4.715	43	98049	19.624	ug/l	99
38) Carbon Tetrachloride	5.678	117	87103	19.334	ug/l	99
39) Methylcyclohexane	7.379	83	94464	18.617	ug/l	93
40) Benzene	6.038	78	262688	19.151	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	54512	20.062	ug/l	99
42) 1,2-Dichloroethane	6.092	62	102377	18.773	ug/l	99
43) Isopropyl Acetate	6.336	43	156276	18.695	ug/l	99
44) Trichloroethene	7.129	130	67735	19.345	ug/l	98
45) 1,2-Dichloropropane	7.428	63	69587	19.468	ug/l	98
46) Dibromomethane	7.580	93	46408	18.870	ug/l	98
47) Bromodichloromethane	7.824	83	87016	19.155	ug/l	98
48) Methyl methacrylate	7.690	41	79571	19.383	ug/l	96
49) 1,4-Dioxane	7.714	88	33873	400.396	ug/l #	78
51) 4-Methyl-2-Pentanone	8.574	43	502048	101.482	ug/l	100
52) Toluene	8.720	92	165979	18.558	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	88653	18.141	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	100705	18.830	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	69269	20.464	ug/l	95
56) Ethyl methacrylate	9.116	69	104817	19.764	ug/l	98
57) 1,3-Dichloropropane	9.305	76	118326	19.739	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	241464	89.417	ug/l	99
59) 2-Hexanone	9.427	43	379803	101.502	ug/l	99
60) Dibromochloromethane	9.519	129	63163	19.589	ug/l	100
61) 1,2-Dibromoethane	9.610	107	70122	19.922	ug/l	97
64) Tetrachloroethene	9.275	164	58486	18.716	ug/l	99
65) Chlorobenzene	10.080	112	177207	19.505	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	60876	19.487	ug/l	98
67) Ethyl Benzene	10.195	91	318097	19.328	ug/l	100
68) m/p-Xylenes	10.299	106	242292	38.540	ug/l	98
69) o-Xylene	10.640	106	118351	19.217	ug/l	97
70) Styrene	10.653	104	196730	20.010	ug/l	99
71) Bromoform	10.799	173	41303	19.439	ug/l #	98
73) Isopropylbenzene	10.964	105	310900	19.968	ug/l	99
74) N-amyl acetate	10.842	43	134006	19.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	101484	19.887	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	84564m	19.745	ug/l	
77) Bromobenzene	11.195	156	73860	19.145	ug/l	98
78) n-propylbenzene	11.305	91	351067	19.519	ug/l	99
79) 2-Chlorotoluene	11.360	91	223065	19.643	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	260937	20.044	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	21952	15.361	ug/l #	77
82) 4-Chlorotoluene	11.451	91	253539	19.226	ug/l	98
83) tert-Butylbenzene	11.713	119	244092	19.968	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	261475	19.751	ug/l	99
85) sec-Butylbenzene	11.890	105	293624	19.744	ug/l	100
86) p-Isopropyltoluene	12.006	119	252595	20.369	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	136612	19.444	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	138823	18.918	ug/l	98
89) n-Butylbenzene	12.335	91	205301	18.949	ug/l	98
90) Hexachloroethane	12.536	117	36702	19.103	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	138779	19.723	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20733	19.465	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	79284	19.922	ug/l	99
94) Hexachlorobutadiene	13.725	225	33251	18.996	ug/l	99
95) Naphthalene	13.774	128	280613	19.844	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	79728	19.866	ug/l	99

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

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