

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011423\
 Data File : VX033723.D
 Acq On : 13 Jan 2023 15:32
 Operator : JC/MD
 Sample : VX0114WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0114WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/16/2023
 Supervised By : Mahesh Dadoda 01/16/2023

Quant Time: Jan 16 05:37:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	162854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237637	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93362	54.448	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.900%			
35) Dibromofluoromethane	5.385	113	78523	53.214	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.420%			
50) Toluene-d8	8.646	98	290257	53.987	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.980%			
62) 4-Bromofluorobenzene	11.079	95	85737	42.951	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25988	20.193	ug/l	99
3) Chloromethane	1.300	50	30808	21.670	ug/l	100
4) Vinyl Chloride	1.373	62	30187	21.881	ug/l	94
5) Bromomethane	1.617	94	15383	19.407	ug/l	97
6) Chloroethane	1.690	64	17308	20.293	ug/l	100
7) Trichlorofluoromethane	1.886	101	45059	20.140	ug/l	100
8) Diethyl Ether	2.129	74	15523	21.190	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	28981	22.873	ug/l	98
10) Methyl Iodide	2.452	142	39440	21.803	ug/l	95
11) Tert butyl alcohol	3.026	59	30781	103.335	ug/l	99
12) 1,1-Dichloroethene	2.318	96	26672	20.128	ug/l	97
13) Acrolein	2.239	56	29298	106.601	ug/l	99
14) Allyl chloride	2.666	41	49251	19.706	ug/l	93
15) Acrylonitrile	3.068	53	85177	108.652	ug/l	100
16) Acetone	2.398	43	73000	110.220	ug/l	96
17) Carbon Disulfide	2.513	76	64996	20.497	ug/l	99
18) Methyl Acetate	2.709	43	52389	21.892	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	95435	20.736	ug/l	97
20) Methylene Chloride	2.788	84	31276	19.447	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	29869	19.282	ug/l	94
22) Diisopropyl ether	3.757	45	102386	20.361	ug/l	97
23) Vinyl Acetate	3.721	43	401264	106.001	ug/l	100
24) 1,1-Dichloroethane	3.611	63	53329	19.384	ug/l	99
25) 2-Butanone	4.568	43	117368	104.759	ug/l	99
26) 2,2-Dichloropropane	4.476	77	36975	18.762	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	35249	19.792	ug/l	98
28) Bromochloromethane	4.897	49	27736	22.132	ug/l	98
29) Tetrahydrofuran	5.013	42	76421	108.226	ug/l	100
30) Chloroform	5.086	83	56034	19.886	ug/l	99
31) Cyclohexane	5.470	56	50644	20.071	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	47390	19.698	ug/l	98
36) 1,1-Dichloropropene	5.696	75	40993	19.035	ug/l	99
37) Ethyl Acetate	4.708	43	48263	21.879	ug/l	99
38) Carbon Tetrachloride	5.671	117	41933	18.800	ug/l	99
39) Methylcyclohexane	7.378	83	51835	19.490	ug/l	98
40) Benzene	6.037	78	121147	19.300	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	26496	22.326	ug/l	98
42) 1,2-Dichloroethane	6.086	62	45353	20.388	ug/l	99
43) Isopropyl Acetate	6.336	43	69644	20.485	ug/l	100
44) Trichloroethene	7.122	130	34703	19.770	ug/l	96
45) 1,2-Dichloropropane	7.427	63	31561	20.071	ug/l	100
46) Dibromomethane	7.580	93	21862	19.905	ug/l	99
47) Bromodichloromethane	7.823	83	41981	19.833	ug/l	99
48) Methyl methacrylate	7.695	41	36125	21.094	ug/l	99
49) 1,4-Dioxane	7.738	88	17047	449.995	ug/l #	100
51) 4-Methyl-2-Pentanone	8.573	43	231786	111.009	ug/l	99
52) Toluene	8.720	92	80682	19.903	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	41683	19.691	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	46290	19.516	ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	33257	20.726	ug/l	97
56) Ethyl methacrylate	9.116	69	48450	21.455	ug/l	99
57) 1,3-Dichloropropane	9.305	76	55622	21.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	121231	109.008	ug/l	100
59) 2-Hexanone	9.427	43	169631	116.724	ug/l	100
60) Dibromochloromethane	9.518	129	34287	20.611	ug/l	100
61) 1,2-Dibromoethane	9.610	107	35061	21.894	ug/l	98
64) Tetrachloroethene	9.274	164	31850	25.534	ug/l	98
65) Chlorobenzene	10.079	112	77350	21.705	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	27997	21.347	ug/l	100
67) Ethyl Benzene	10.195	91	133280	21.782	ug/l	99
68) m/p-Xylenes	10.299	106	90025	37.615	ug/l	95
69) o-Xylene	10.640	106	44530	18.762	ug/l	94
70) Styrene	10.652	104	75592	19.583	ug/l	98
71) Bromoform	10.799	173	19909	18.115	ug/l #	98
73) Isopropylbenzene	10.963	105	118350	18.082	ug/l	99
74) N-amyl acetate	10.841	43	48984	20.417	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	39182	20.291	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	35561m	21.184	ug/l	
77) Bromobenzene	11.195	156	31237	17.787	ug/l	93
78) n-propylbenzene	11.305	91	140723	18.876	ug/l	97
79) 2-Chlorotoluene	11.366	91	83737	18.940	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	104177	18.950	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	9383	17.372	ug/l #	82
82) 4-Chlorotoluene	11.451	91	97620	19.354	ug/l	99
83) tert-Butylbenzene	11.713	119	102200	18.723	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	104038	20.006	ug/l	98
85) sec-Butylbenzene	11.890	105	128711	19.714	ug/l	98
86) p-Isopropyltoluene	12.012	119	112251	20.082	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	58099	18.820	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	59844	19.030	ug/l	97
89) n-Butylbenzene	12.335	91	93943	20.543	ug/l	98
90) Hexachloroethane	12.536	117	17171	18.675	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	58873	19.763	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	8229	22.072	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	38106	18.990	ug/l	100
94) Hexachlorobutadiene	13.725	225	18254	18.571	ug/l	99
95) Naphthalene	13.774	128	115284	19.970	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	38428	19.139	ug/l	99

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

