

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034481.D
 Acq On : 15 Mar 2023 04:10
 Operator : JC/MD
 Sample : VX0314WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/15/2023
 Supervised By : Mahesh Dadoda 03/15/2023

Quant Time: Mar 15 06:58:53 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	279899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	481376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	429995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	214259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	200074	49.135	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.260%		
35) Dibromofluoromethane	5.379	113	156917	49.372	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.740%		
50) Toluene-d8	8.647	98	584543	49.267	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.540%		
62) 4-Bromofluorobenzene	11.079	95	223949	46.730	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.460%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	44469	17.042	ug/l	100
3) Chloromethane	1.301	50	66745	15.993	ug/l	99
4) Vinyl Chloride	1.374	62	62071	17.470	ug/l	98
5) Bromomethane	1.599	94	40858	22.792	ug/l	95
6) Chloroethane	1.685	64	38431	18.786	ug/l	97
7) Trichlorofluoromethane	1.886	101	100492	18.823	ug/l	96
8) Diethyl Ether	2.130	74	37516	19.250	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	52741	16.951	ug/l	100
10) Methyl Iodide	2.453	142	75698	18.532	ug/l	98
11) Tert butyl alcohol	2.953	59	73526	86.710	ug/l	100
12) 1,1-Dichloroethene	2.319	96	52002	16.971	ug/l	98
13) Acrolein	2.233	56	67974	101.330	ug/l	99
14) Allyl chloride	2.660	41	102269	16.463	ug/l	98
15) Acrylonitrile	3.062	53	167975	91.702	ug/l	100
16) Acetone	2.374	43	146735	76.500	ug/l	98
17) Carbon Disulfide	2.514	76	129773	15.049	ug/l	99
18) Methyl Acetate	2.703	43	116184	18.538	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	196454	17.907	ug/l	99
20) Methylene Chloride	2.788	84	63511	17.061	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	57930	17.802	ug/l	92
22) Diisopropyl ether	3.757	45	215817	18.222	ug/l	97
23) Vinyl Acetate	3.721	43	803498	89.138	ug/l	99
24) 1,1-Dichloroethane	3.611	63	111117	17.452	ug/l	99
25) 2-Butanone	4.550	43	236829	86.291	ug/l	99
26) 2,2-Dichloropropane	4.471	77	78067	14.106	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	68092	17.382	ug/l	98
28) Bromochloromethane	4.898	49	62958	21.267	ug/l	98
29) Tetrahydrofuran	5.001	42	155443	91.786	ug/l	100
30) Chloroform	5.093	83	113002	18.106	ug/l	98
31) Cyclohexane	5.471	56	99480	17.420	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	96075	17.389	ug/l	98
36) 1,1-Dichloropropene	5.690	75	80351	16.460	ug/l	99
37) Ethyl Acetate	4.715	43	95474	17.902	ug/l	99
38) Carbon Tetrachloride	5.678	117	80808	16.640	ug/l	96
39) Methylcyclohexane	7.379	83	95362	16.324	ug/l	96
40) Benzene	6.038	78	245050	17.160	ug/l	97

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41) Methacrylonitrile	4.916	41	52191	17.857	ug/l	97
42) 1,2-Dichloroethane	6.086	62	94938	18.089	ug/l	99
43) Isopropyl Acetate	6.336	43	156068	17.275	ug/l	100
44) Trichloroethene	7.123	130	62733	16.907	ug/l	97
45) 1,2-Dichloropropane	7.428	63	65955	17.688	ug/l	99
46) Dibromomethane	7.580	93	43766	17.265	ug/l	99
47) Bromodichloromethane	7.818	83	83939	17.109	ug/l	100
48) Methyl methacrylate	7.690	41	77119	17.748	ug/l	99
49) 1,4-Dioxane	7.659	88	35172	385.387	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	482373	92.038	ug/l	99
52) Toluene	8.714	92	154629	17.490	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	87712	15.869	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	96696	16.170	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	62881	17.921	ug/l	99
56) Ethyl methacrylate	9.116	69	100631	17.468	ug/l	100
57) 1,3-Dichloropropane	9.305	76	110515	17.722	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	267653	90.150	ug/l	100
59) 2-Hexanone	9.427	43	364223	89.901	ug/l	100
60) Dibromochloromethane	9.519	129	62978	17.114	ug/l	99
61) 1,2-Dibromoethane	9.610	107	66151	17.471	ug/l	99
64) Tetrachloroethene	9.275	164	50006	17.312	ug/l	97
65) Chlorobenzene	10.079	112	163563	17.337	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	59630	17.354	ug/l	100
67) Ethyl Benzene	10.195	91	297261	17.600	ug/l	100
68) m/p-Xylenes	10.299	106	226224	34.868	ug/l	100
69) o-Xylene	10.640	106	112733	17.314	ug/l	99
70) Styrene	10.653	104	183861	17.502	ug/l	98
71) Bromoform	10.799	173	42682	16.137	ug/l #	100
73) Isopropylbenzene	10.963	105	295334	17.835	ug/l	100
74) N-amyl acetate	10.842	43	140529	17.718	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	102017	18.462	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82199m	16.708	ug/l	
77) Bromobenzene	11.195	156	68754	17.305	ug/l	99
78) n-propylbenzene	11.305	91	339081	17.730	ug/l	99
79) 2-Chlorotoluene	11.366	91	208418	17.646	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	245353	17.664	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	25297	13.911	ug/l	91
82) 4-Chlorotoluene	11.451	91	240190	17.655	ug/l	99
83) tert-Butylbenzene	11.713	119	243928	17.418	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	250075	17.617	ug/l	99
85) sec-Butylbenzene	11.890	105	301405	17.605	ug/l	99
86) p-Isopropyltoluene	12.006	119	250629	17.418	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	133775	17.185	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	134230	17.053	ug/l	99
89) n-Butylbenzene	12.329	91	213322	16.677	ug/l	98
90) Hexachloroethane	12.536	117	44037	16.540	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	131719	17.509	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20854	16.610	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	84211	17.900	ug/l	97
94) Hexachlorobutadiene	13.725	225	34277	18.085	ug/l	98
95) Naphthalene	13.774	128	299240	18.968	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	85938	18.688	ug/l	99

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

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