

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070623\
 Data File : VX036426.D
 Acq On : 06 Jul 2023 11:31
 Operator : JC/MD
 Sample : VX0706WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0706WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2023
 Supervised By : Mahesh Dadoda 07/07/2023

Quant Time: Jul 07 01:44:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	179625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	312767	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	282487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	137091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	147914	57.447	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.900%			
35) Dibromofluoromethane	5.385	113	118170	57.300	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.600%			
50) Toluene-d8	8.647	98	407976	52.966	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.940%			
62) 4-Bromofluorobenzene	11.079	95	150250	55.379	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	28190	16.577	ug/l	96
3) Chloromethane	1.301	50	41606	14.104	ug/l	96
4) Vinyl Chloride	1.374	62	75859	23.521	ug/l	97
5) Bromomethane	1.618	94	40165	17.020	ug/l	96
6) Chloroethane	1.691	64	43024	18.172	ug/l	97
7) Trichlorofluoromethane	1.886	101	79754	16.265	ug/l	99
8) Diethyl Ether	2.130	74	36813	19.449	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	38432	18.676	ug/l	96
10) Methyl Iodide	2.453	142	46434	18.622	ug/l	91
11) Tert butyl alcohol	3.002	59	65457	139.661	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	35913	17.592	ug/l	86
13) Acrolein	2.239	56	60240	93.587	ug/l	99
14) Allyl chloride	2.660	41	66959	20.183	ug/l	96
15) Acrylonitrile	3.069	53	131503	110.694	ug/l	98
16) Acetone	2.392	43	121973	110.830	ug/l	94
17) Carbon Disulfide	2.514	76	72924	14.545	ug/l	99
18) Methyl Acetate	2.709	43	106255	23.478	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	154675	23.446	ug/l	99
20) Methylene Chloride	2.788	84	47986	20.251	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	39379	18.077	ug/l	90
22) Diisopropyl ether	3.764	45	150353	22.618	ug/l #	82
23) Vinyl Acetate	3.721	43	553623	114.760	ug/l	97
24) 1,1-Dichloroethane	3.611	63	81731	20.862	ug/l	99
25) 2-Butanone	4.562	43	187655	118.674	ug/l	97
26) 2,2-Dichloropropane	4.477	77	61472	22.124	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	51919	21.252	ug/l	90
28) Bromochloromethane	4.898	49	45945	22.613	ug/l	86
29) Tetrahydrofuran	5.013	42	118095	117.306	ug/l	94
30) Chloroform	5.093	83	86602	21.947	ug/l	98
31) Cyclohexane	5.471	56	57408	17.399	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	67552	20.495	ug/l	98
36) 1,1-Dichloropropene	5.690	75	53389	17.367	ug/l	97
37) Ethyl Acetate	4.715	43	71705	22.886	ug/l	97
38) Carbon Tetrachloride	5.672	117	54699	19.482	ug/l	93
39) Methylcyclohexane	7.379	83	63116	17.142	ug/l	93
40) Benzene	6.038	78	174843	20.360	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	39278	22.598	ug/l	92
42) 1,2-Dichloroethane	6.086	62	71512	21.894	ug/l	97
43) Isopropyl Acetate	6.342	43	118819	23.772	ug/l	97
44) Trichloroethene	7.123	130	46980	19.669	ug/l	95
45) 1,2-Dichloropropane	7.428	63	49504	21.166	ug/l	99
46) Dibromomethane	7.580	93	36042	21.892	ug/l	92
47) Bromodichloromethane	7.824	83	66193	22.233	ug/l	100
48) Methyl methacrylate	7.690	41	57471	23.061	ug/l	92
49) 1,4-Dioxane	7.708	88	27672	500.871	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	385798	119.805	ug/l	99
52) Toluene	8.720	92	109312	20.086	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	69676	23.168	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	77066	22.669	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	51360	22.708	ug/l	95
56) Ethyl methacrylate	9.116	69	78916	23.327	ug/l	95
57) 1,3-Dichloropropane	9.305	76	85655	22.097	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	228400	120.133	ug/l	99
59) 2-Hexanone	9.427	43	285999	121.620	ug/l	98
60) Dibromochloromethane	9.519	129	50782	23.109	ug/l	98
61) 1,2-Dibromoethane	9.610	107	52713	21.961	ug/l	100
64) Tetrachloroethene	9.275	164	44153	22.136	ug/l	97
65) Chlorobenzene	10.080	112	122805	20.680	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	45641	22.739	ug/l	97
67) Ethyl Benzene	10.195	91	205105	19.428	ug/l	95
68) m/p-Xylenes	10.299	106	159200	38.814	ug/l	98
69) o-Xylene	10.640	106	81928	20.684	ug/l	96
70) Styrene	10.653	104	134611	20.757	ug/l	97
71) Bromoform	10.799	173	34584	24.022	ug/l #	97
73) Isopropylbenzene	10.964	105	202643	19.614	ug/l	97
74) N-amyl acetate	10.842	43	98180	24.026	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	78247	22.365	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	66316m	22.678	ug/l	
77) Bromobenzene	11.195	156	52788	20.780	ug/l	92
78) n-propylbenzene	11.305	91	230389	19.095	ug/l	98
79) 2-Chlorotoluene	11.366	91	142253	19.819	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	174367	19.929	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	21786	24.286	ug/l	95
82) 4-Chlorotoluene	11.451	91	163675	19.587	ug/l	95
83) tert-Butylbenzene	11.713	119	165215	19.704	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	176040	20.337	ug/l	97
85) sec-Butylbenzene	11.890	105	204844	19.284	ug/l	98
86) p-Isopropyltoluene	12.006	119	174890	19.618	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	97477	20.870	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	98521	20.716	ug/l	98
89) n-Butylbenzene	12.329	91	150210	18.933	ug/l	98
90) Hexachloroethane	12.536	117	26471	19.605	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	99447	21.624	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17527	26.375	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	62342	22.008	ug/l	95
94) Hexachlorobutadiene	13.725	225	23601	20.343	ug/l	98
95) Naphthalene	13.774	128	221598	23.679	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	64292	23.267	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

