

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036398.D
 Acq On : 05 Jul 2023 12:57
 Operator : JC/MD
 Sample : VX0705WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0705WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/06/2023
 Supervised By : Mahesh Dadoda 07/07/2023

Quant Time: Jul 06 04:48:53 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	204818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	359112	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	326400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	169141	57.611	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.220%			
35) Dibromofluoromethane	5.385	113	136570	57.676	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.360%			
50) Toluene-d8	8.647	98	472551	53.432	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.860%			
62) 4-Bromofluorobenzene	11.079	95	174964	56.165	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.340%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	42724	22.033	ug/l	98
3) Chloromethane	1.295	50	61618	18.318	ug/l	96
4) Vinyl Chloride	1.374	62	67223	18.280	ug/l	97
5) Bromomethane	1.618	94	63531	23.610	ug/l	99
6) Chloroethane	1.685	64	58951	21.836	ug/l	98
7) Trichlorofluoromethane	1.886	101	110694	19.799	ug/l	99
8) Diethyl Ether	2.136	74	49745	23.048	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	50469	21.508	ug/l	95
10) Methyl Iodide	2.453	142	66659	23.445	ug/l	94
11) Tert butyl alcohol	2.995	59	71614	134.003	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	50432	21.666	ug/l	88
13) Acrolein	2.239	56	40386	55.025	ug/l	96
14) Allyl chloride	2.666	41	91749	24.254	ug/l	96
15) Acrylonitrile	3.069	53	172703	127.493	ug/l	98
16) Acetone	2.392	43	154637	123.227	ug/l	93
17) Carbon Disulfide	2.514	76	121347	21.227	ug/l	100
18) Methyl Acetate	2.709	43	136129	26.379	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	200556	26.661	ug/l	99
20) Methylene Chloride	2.788	84	65348	24.185	ug/l #	90
21) trans-1,2-Dichloroethene	3.093	96	54969	22.130	ug/l	96
22) Diisopropyl ether	3.764	45	192100	25.343	ug/l #	84
23) Vinyl Acetate	3.721	43	736088	133.815	ug/l	98
24) 1,1-Dichloroethane	3.611	63	107119	23.979	ug/l	99
25) 2-Butanone	4.562	43	234959	130.313	ug/l	98
26) 2,2-Dichloropropane	4.477	77	84415	26.644	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	66835	23.992	ug/l	94
28) Bromochloromethane	4.898	49	46124	19.909	ug/l	88
29) Tetrahydrofuran	5.007	42	150336	130.963	ug/l	94
30) Chloroform	5.099	83	110894	24.647	ug/l	96
31) Cyclohexane	5.477	56	77662	20.642	ug/l	91
32) 1,1,1-Trichloroethane	5.391	97	90973	24.206	ug/l	99
36) 1,1-Dichloropropene	5.696	75	74796	21.191	ug/l	98
37) Ethyl Acetate	4.715	43	92909	25.826	ug/l	97
38) Carbon Tetrachloride	5.684	117	76146	23.621	ug/l	94
39) Methylcyclohexane	7.379	83	84394	19.963	ug/l	95
40) Benzene	6.038	78	234634	23.797	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	50596	25.353	ug/l	93
42) 1,2-Dichloroethane	6.086	62	93165	24.842	ug/l	98
43) Isopropyl Acetate	6.342	43	154398	26.904	ug/l	97
44) Trichloroethene	7.129	130	60787	22.165	ug/l	98
45) 1,2-Dichloropropane	7.428	63	65243	24.296	ug/l	100
46) Dibromomethane	7.580	93	48533	25.675	ug/l	96
47) Bromodichloromethane	7.824	83	86565	25.324	ug/l	95
48) Methyl methacrylate	7.696	41	74148	25.913	ug/l	93
49) 1,4-Dioxane	7.696	88	31722	500.077	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	479184	129.601	ug/l	98
52) Toluene	8.720	92	144529	23.130	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	95486	27.653	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	102510	26.262	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	66569	25.634	ug/l	95
56) Ethyl methacrylate	9.116	69	102590	26.411	ug/l	97
57) 1,3-Dichloropropane	9.311	76	110059	24.729	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	260300	119.242	ug/l	100
59) 2-Hexanone	9.433	43	361911	134.040	ug/l	97
60) Dibromochloromethane	9.519	129	67138	26.609	ug/l	100
61) 1,2-Dibromoethane	9.610	107	69696	25.289	ug/l	99
64) Tetrachloroethene	9.275	164	52024	22.573	ug/l	98
65) Chlorobenzene	10.080	112	163811	23.874	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	60127	25.926	ug/l	97
67) Ethyl Benzene	10.195	91	278090	22.798	ug/l	98
68) m/p-Xylenes	10.299	106	213310	45.010	ug/l	99
69) o-Xylene	10.640	106	108788	23.771	ug/l	97
70) Styrene	10.653	104	179528	23.958	ug/l	97
71) Bromoform	10.799	173	47531	28.573	ug/l #	98
73) Isopropylbenzene	10.964	105	268249	22.748	ug/l	96
74) N-amyl acetate	10.842	43	130509	27.980	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	103023	25.799	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	83530m	25.026	ug/l	
77) Bromobenzene	11.195	156	69813	24.077	ug/l	91
78) n-propylbenzene	11.305	91	307104	22.300	ug/l	99
79) 2-Chlorotoluene	11.366	91	190097	23.204	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	230862	23.117	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	30777	30.058	ug/l	91
82) 4-Chlorotoluene	11.451	91	220382	23.106	ug/l	97
83) tert-Butylbenzene	11.713	119	220018	22.989	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	231708	23.452	ug/l	96
85) sec-Butylbenzene	11.890	105	266126	21.949	ug/l	99
86) p-Isopropyltoluene	12.006	119	227935	22.400	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	125270	23.498	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	126882	23.374	ug/l	97
89) n-Butylbenzene	12.329	91	197706	21.832	ug/l	97
90) Hexachloroethane	12.536	117	37533	24.354	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	126713	24.139	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22057	29.080	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	79354	24.543	ug/l	96
94) Hexachlorobutadiene	13.725	225	28695	21.670	ug/l	98
95) Naphthalene	13.774	128	287260	26.893	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	80975	25.674	ug/l	97

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

