

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080423\
 Data File : VX036802.D
 Acq On : 04 Aug 2023 11:56
 Operator : JC/MD
 Sample : VX0804WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0804WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/07/2023
 Supervised By : Semsettin Yesilyurt 08/07/2023

Quant Time: Aug 04 23:07:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	145894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	255280	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	106652	49.405	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.820%		
35) Dibromofluoromethane	5.385	113	87084	49.630	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.260%		
50) Toluene-d8	8.647	98	292437	46.998	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.000%		
62) 4-Bromofluorobenzene	11.079	95	113784	48.468	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	39142	20.309	ug/l	100
3) Chloromethane	1.301	50	35009	19.971	ug/l	98
4) Vinyl Chloride	1.374	62	37480	21.000	ug/l	98
5) Bromomethane	1.599	94	21306	19.996	ug/l	96
6) Chloroethane	1.679	64	23182	26.716	ug/l	99
7) Trichlorofluoromethane	1.886	101	63763	23.135	ug/l	99
8) Diethyl Ether	2.136	74	22887	21.464	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.325	101	33961	20.509	ug/l	98
10) Methyl Iodide	2.453	142	37430	21.763	ug/l	95
11) Tert butyl alcohol	2.965	59	56887	111.311	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	34690	21.235	ug/l	90
13) Acrolein	2.233	56	25639	87.906	ug/l	99
14) Allyl chloride	2.660	41	59895	18.619	ug/l #	95
15) Acrylonitrile	3.062	53	109293	106.340	ug/l	99
16) Acetone	2.380	43	96032	107.204	ug/l	90
17) Carbon Disulfide	2.514	76	93674	20.776	ug/l	99
18) Methyl Acetate	2.703	43	76446	20.286	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	130303	21.225	ug/l	99
20) Methylene Chloride	2.788	84	41353	20.757	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	37674	20.634	ug/l	89
22) Diisopropyl ether	3.764	45	118954	19.475	ug/l	85
23) Vinyl Acetate	3.721	43	474787	101.336	ug/l #	94
24) 1,1-Dichloroethane	3.611	63	70034	20.451	ug/l	98
25) 2-Butanone	4.556	43	151899	104.516	ug/l	91
26) 2,2-Dichloropropane	4.477	77	60064	18.614	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	45344	20.909	ug/l	93
28) Bromochloromethane	4.891	49	33617	20.298	ug/l	88
29) Tetrahydrofuran	5.007	42	97760	104.332	ug/l	91
30) Chloroform	5.093	83	74671	21.313	ug/l	99
31) Cyclohexane	5.471	56	57604	19.272	ug/l	88
32) 1,1,1-Trichloroethane	5.385	97	66076	20.583	ug/l	98
36) 1,1-Dichloropropene	5.690	75	53302	20.381	ug/l	98
37) Ethyl Acetate	4.715	43	60495	20.437	ug/l	97
38) Carbon Tetrachloride	5.678	117	57585	20.711	ug/l	98
39) Methylcyclohexane	7.379	83	64021	19.687	ug/l	92
40) Benzene	6.038	78	156110	20.516	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	31591	19.954	ug/l	92
42) 1,2-Dichloroethane	6.086	62	60331	21.686	ug/l	97
43) Isopropyl Acetate	6.342	43	98288	19.289	ug/l	96
44) Trichloroethene	7.129	130	41518	20.875	ug/l	100
45) 1,2-Dichloropropane	7.428	63	39854	19.618	ug/l	99
46) Dibromomethane	7.580	93	30293	21.306	ug/l	96
47) Bromodichloromethane	7.824	83	59279	20.312	ug/l	99
48) Methyl methacrylate	7.690	41	46375	19.570	ug/l	89
49) 1,4-Dioxane	7.659	88	22615	472.412	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	293063	103.931	ug/l	95
52) Toluene	8.720	92	100244	21.025	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	63843	19.355	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	68565	19.698	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	41926	20.919	ug/l	99
56) Ethyl methacrylate	9.116	69	67159	20.579	ug/l	94
57) 1,3-Dichloropropane	9.305	76	71266	21.349	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	152702	94.962	ug/l	97
59) 2-Hexanone	9.427	43	223927	107.001	ug/l	93
60) Dibromochloromethane	9.519	129	45647	20.722	ug/l	100
61) 1,2-Dibromoethane	9.610	107	45077	21.702	ug/l	100
64) Tetrachloroethene	9.275	164	35770	20.697	ug/l	98
65) Chlorobenzene	10.079	112	105484	20.653	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	40636	20.585	ug/l	99
67) Ethyl Benzene	10.195	91	191397	20.513	ug/l	99
68) m/p-Xylenes	10.299	106	145154	41.696	ug/l	98
69) o-Xylene	10.640	106	72152	20.764	ug/l	98
70) Styrene	10.653	104	118565	20.681	ug/l	98
71) Bromoform	10.799	173	31623	19.789	ug/l #	98
73) Isopropylbenzene	10.964	105	186339	20.060	ug/l	99
74) N-amyl acetate	10.842	43	81531	18.822	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	63590	20.268	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	54142m	20.508	ug/l	
77) Bromobenzene	11.195	156	43663	20.640	ug/l	96
78) n-propylbenzene	11.305	91	213214	19.847	ug/l	100
79) 2-Chlorotoluene	11.366	91	128675	19.767	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	158544	20.402	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	20527	17.623	ug/l	89
82) 4-Chlorotoluene	11.451	91	148281	19.991	ug/l	99
83) tert-Butylbenzene	11.713	119	153558	20.115	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	157016	20.204	ug/l	98
85) sec-Butylbenzene	11.890	105	187506	19.695	ug/l	99
86) p-Isopropyltoluene	12.006	119	157126	20.057	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	80135	20.453	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	82045	21.100	ug/l	100
89) n-Butylbenzene	12.329	91	135564	19.331	ug/l	99
90) Hexachloroethane	12.536	117	28364	17.860	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	79545	21.039	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14470	19.848	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	46053	19.770	ug/l	98
94) Hexachlorobutadiene	13.725	225	18814	19.523	ug/l	97
95) Naphthalene	13.774	128	170761	21.036	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	46862	20.411	ug/l	99

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

