

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037660.D
 Acq On : 12 Sep 2023 11:45
 Operator : JC/MD
 Sample : VX0912WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/13/2023
 Supervised By : Mahesh Dadoda 09/13/2023

Quant Time: Sep 12 12:25:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	205825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	346322	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	329626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	168765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	157689	47.353	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.700%			
35) Dibromofluoromethane	5.385	113	126512	51.537	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.080%			
50) Toluene-d8	8.647	98	484502	52.333	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.660%			
62) 4-Bromofluorobenzene	11.079	95	176591	52.871	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	44126	20.051	ug/l	95
3) Chloromethane	1.300	50	46961	18.195	ug/l	99
4) Vinyl Chloride	1.374	62	53264	18.751	ug/l	99
5) Bromomethane	1.599	94	42521	17.578	ug/l	98
6) Chloroethane	1.685	64	37049	19.182	ug/l	96
7) Trichlorofluoromethane	1.886	101	93077	19.320	ug/l	100
8) Diethyl Ether	2.136	74	33725	17.323	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	43487	20.408	ug/l	99
10) Methyl Iodide	2.453	142	49142	19.401	ug/l	96
11) Tert butyl alcohol	2.959	59	65248	87.603	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	39551	18.894	ug/l	89
13) Acrolein	2.239	56	49036	90.125	ug/l	98
14) Allyl chloride	2.666	41	68210	18.312	ug/l	96
15) Acrylonitrile	3.062	53	137359	87.707	ug/l	99
16) Acetone	2.380	43	140000	101.698	ug/l	94
17) Carbon Disulfide	2.514	76	97152	18.004	ug/l	100
18) Methyl Acetate	2.703	43	99591	17.261	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	155103	18.355	ug/l	100
20) Methylene Chloride	2.788	84	50240	18.464	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	45086	18.163	ug/l	94
22) Diisopropyl ether	3.763	45	148909	18.315	ug/l #	90
23) Vinyl Acetate	3.721	43	556204	93.243	ug/l	97
24) 1,1-Dichloroethane	3.611	63	86442	18.173	ug/l	99
25) 2-Butanone	4.556	43	201331	91.086	ug/l	95
26) 2,2-Dichloropropane	4.477	77	70614	21.441	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	54809	18.464	ug/l	95
28) Bromochloromethane	4.904	49	44053	18.265	ug/l	92
29) Tetrahydrofuran	5.007	42	121948	85.538	ug/l	90
30) Chloroform	5.092	83	93382	18.108	ug/l	100
31) Cyclohexane	5.470	56	75315	19.641	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	81641	18.848	ug/l	99
36) 1,1-Dichloropropene	5.696	75	66850	19.748	ug/l	99
37) Ethyl Acetate	4.715	43	75420	19.319	ug/l	98
38) Carbon Tetrachloride	5.678	117	68606	20.292	ug/l	97
39) Methylcyclohexane	7.379	83	85409	21.451	ug/l	95
40) Benzene	6.037	78	199303	19.362	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	37420	18.041	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	75839	19.014	ug/l	98
43) Isopropyl Acetate	6.342	43	117536	19.045	ug/l	97
44) Trichloroethene	7.123	130	50515	20.108	ug/l	93
45) 1,2-Dichloropropane	7.434	63	52448	19.419	ug/l	97
46) Dibromomethane	7.586	93	37748	19.156	ug/l	97
47) Bromodichloromethane	7.824	83	69521	19.685	ug/l	94
48) Methyl methacrylate	7.696	41	56035	18.591	ug/l #	87
49) 1,4-Dioxane	7.659	88	30048	400.245	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	393191	96.630	ug/l	97
52) Toluene	8.720	92	130066	19.970	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	73055	20.465	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	80189	20.598	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	54543	19.475	ug/l	98
56) Ethyl methacrylate	9.116	69	82817	19.677	ug/l	92
57) 1,3-Dichloropropane	9.311	76	90652	19.444	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	210057	103.406	ug/l	99
59) 2-Hexanone	9.427	43	309623	99.203	ug/l	96
60) Dibromochloromethane	9.519	129	53629	19.728	ug/l	100
61) 1,2-Dibromoethane	9.610	107	57459	19.456	ug/l	99
64) Tetrachloroethene	9.275	164	43491	20.597	ug/l	99
65) Chlorobenzene	10.079	112	141724	19.944	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	49301	19.880	ug/l	98
67) Ethyl Benzene	10.195	91	256419	20.291	ug/l	98
68) m/p-Xylenes	10.299	106	194824	40.462	ug/l	99
69) o-Xylene	10.640	106	97118	20.341	ug/l	100
70) Styrene	10.652	104	159554	20.255	ug/l	97
71) Bromoform	10.799	173	37053	19.545	ug/l #	99
73) Isopropylbenzene	10.963	105	256879	20.226	ug/l	98
74) N-amyl acetate	10.841	43	108684	19.385	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	90900	18.877	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80802m	21.181	ug/l	
77) Bromobenzene	11.201	156	60303	19.784	ug/l	93
78) n-propylbenzene	11.305	91	301188	20.547	ug/l	100
79) 2-Chlorotoluene	11.366	91	178860	19.841	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	219984	20.504	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	23513	19.264	ug/l	94
82) 4-Chlorotoluene	11.451	91	205517	20.031	ug/l	98
83) tert-Butylbenzene	11.713	119	214994	20.097	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	222071	20.609	ug/l	99
85) sec-Butylbenzene	11.890	105	275407	20.771	ug/l	99
86) p-Isopropyltoluene	12.012	119	228027	20.884	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	113696	19.633	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	114815	19.474	ug/l	98
89) n-Butylbenzene	12.335	91	203300	20.800	ug/l	97
90) Hexachloroethane	12.536	117	37046	20.069	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	113805	19.325	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18473	18.266	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	67095	19.615	ug/l	98
94) Hexachlorobutadiene	13.725	225	30964	20.887	ug/l	100
95) Naphthalene	13.774	128	234600	18.947	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	68114	19.311	ug/l	98

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

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