

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042324\
 Data File : VX041208.D
 Acq On : 23 Apr 2024 11:42
 Operator : JC/MD
 Sample : VX0423WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2024
 Supervised By : Mahesh Dadoda 04/24/2024

Quant Time: Apr 24 01:43:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	261453	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	315856	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	315879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	161808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	120091	48.252	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.500%		
35) Dibromofluoromethane	5.385	113	103730	53.989	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.980%		
50) Toluene-d8	8.647	98	324211	50.015	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.020%		
62) 4-Bromofluorobenzene	11.079	95	131060	54.777	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	109.560%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	37260	18.018	ug/l	98
3) Chloromethane	1.294	50	35947	16.056	ug/l	100
4) Vinyl Chloride	1.374	62	35321	15.776	ug/l	95
5) Bromomethane	1.593	94	15901	12.614	ug/l	94
6) Chloroethane	1.666	64	12674	14.900	ug/l	96
7) Trichlorofluoromethane	1.861	101	63968	18.439	ug/l	98
8) Diethyl Ether	2.136	74	24032	18.824	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.319	101	34867	17.082	ug/l	# 86
10) Methyl Iodide	2.440	142	18348	7.454	ug/l	89
11) Tert butyl alcohol	3.020	59	46363m	103.982	ug/l	
12) 1,1-Dichloroethene	2.306	96	31857	16.719	ug/l	90
13) Acrolein	2.239	56	40743	81.457	ug/l	99
14) Allyl chloride	2.660	41	55106	17.803	ug/l	# 96
15) Acrylonitrile	3.068	53	111338	97.721	ug/l	98
16) Acetone	2.392	43	88356	97.531	ug/l	97
17) Carbon Disulfide	2.501	76	72653	18.253	ug/l	98
18) Methyl Acetate	2.709	43	45567	17.003	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	129089	18.951	ug/l	98
20) Methylene Chloride	2.788	84	36959	16.704	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	37967	18.031	ug/l	90
22) Diisopropyl ether	3.763	45	123936	18.519	ug/l	94
23) Vinyl Acetate	3.721	43	550437	96.141	ug/l	96
24) 1,1-Dichloroethane	3.605	63	68054	18.191	ug/l	97
25) 2-Butanone	4.568	43	153119	98.969	ug/l	96
26) 2,2-Dichloropropane	4.471	77	57807	18.283	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	47748	18.295	ug/l	89
28) Bromochloromethane	4.897	49	22232	15.660	ug/l	# 69
29) Tetrahydrofuran	5.013	42	91881	87.173	ug/l	96
30) Chloroform	5.092	83	70842	17.643	ug/l	97
31) Cyclohexane	5.458	56	58948	17.598	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	65785	18.276	ug/l	96
36) 1,1-Dichloropropene	5.690	75	48914	19.897	ug/l	95
37) Ethyl Acetate	4.721	43	59469	22.049	ug/l	99
38) Carbon Tetrachloride	5.672	117	59228	21.571	ug/l	99
39) Methylcyclohexane	7.379	83	65479	20.081	ug/l	91
40) Benzene	6.037	78	157298	20.718	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	29508	21.015	ug/l	95
42) 1,2-Dichloroethane	6.086	62	56619	21.508	ug/l	94
43) Isopropyl Acetate	6.348	43	92458	21.280	ug/l	96
44) Trichloroethene	7.123	130	44444	20.134	ug/l	89
45) 1,2-Dichloropropane	7.427	63	38635	21.223	ug/l	100
46) Dibromomethane	7.580	93	29387	21.649	ug/l #	76
47) Bromodichloromethane	7.824	83	55244	22.079	ug/l	99
48) Methyl methacrylate	7.696	41	45390	22.087	ug/l	92
49) 1,4-Dioxane	7.671	88	20743	468.953	ug/l #	89
51) 4-Methyl-2-Pentanone	8.580	43	282577	103.905	ug/l	100
52) Toluene	8.720	92	94399	19.732	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	46752	19.049	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	54689	19.602	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	38993	20.888	ug/l	98
56) Ethyl methacrylate	9.116	69	58056	20.343	ug/l	98
57) 1,3-Dichloropropane	9.305	76	67728	21.917	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	116697	84.018	ug/l	93
59) 2-Hexanone	9.433	43	241741	115.917	ug/l	96
60) Dibromochloromethane	9.518	129	48084	22.314	ug/l	99
61) 1,2-Dibromoethane	9.610	107	44559	22.248	ug/l	100
64) Tetrachloroethene	9.275	164	44372	18.316	ug/l	88
65) Chlorobenzene	10.079	112	120282	18.502	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	43115	19.363	ug/l	98
67) Ethyl Benzene	10.195	91	195759	18.869	ug/l	98
68) m/p-Xylenes	10.299	106	155146	37.045	ug/l	94
69) o-Xylene	10.640	106	78343	19.233	ug/l	93
70) Styrene	10.659	104	129667	19.567	ug/l	95
71) Bromoform	10.799	173	39234	20.609	ug/l #	99
73) Isopropylbenzene	10.963	105	200629	19.928	ug/l	96
74) N-amyl acetate	10.841	43	81206	20.523	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	66500	20.945	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	52493m	20.135	ug/l	
77) Bromobenzene	11.195	156	58717	20.042	ug/l	76
78) n-propylbenzene	11.305	91	218000	20.054	ug/l	95
79) 2-Chlorotoluene	11.366	91	137359	19.967	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	168570	20.126	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	17476	18.913	ug/l	95
82) 4-Chlorotoluene	11.457	91	153389	19.676	ug/l	93
83) tert-Butylbenzene	11.713	119	182728	20.373	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	171435	20.622	ug/l	92
85) sec-Butylbenzene	11.890	105	212749	20.540	ug/l	96
86) p-Isopropyltoluene	12.006	119	175303	19.206	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	101358	19.260	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	100967	18.699	ug/l	94
89) n-Butylbenzene	12.329	91	138897	20.042	ug/l	97
90) Hexachloroethane	12.536	117	29804	19.795	ug/l #	54
91) 1,2-Dichlorobenzene	12.335	146	107123	20.322	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	13832	20.763	ug/l #	55
93) 1,2,4-Trichlorobenzene	13.585	180	68264	18.678	ug/l	95
94) Hexachlorobutadiene	13.725	225	34218	18.325	ug/l	98
95) Naphthalene	13.774	128	186878	17.797	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	66253	17.210	ug/l	96

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

