

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042324\
 Data File : VX041209.D
 Acq On : 23 Apr 2024 12:18
 Operator : JC/MD
 Sample : VX0423WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0423WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Apr 24 01:44:41 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	5.544	168	189714	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	258237	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	122738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86210	47.737	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.480%		
35) Dibromofluoromethane	5.379	113	75395	47.997	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.000%		
50) Toluene-d8	8.647	98	259151	48.899	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.800%		
62) 4-Bromofluorobenzene	11.079	95	96796	49.483	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.960%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	30045	20.023	ug/l	98
3) Chloromethane	1.301	50	28369	17.462	ug/l	95
4) Vinyl Chloride	1.374	62	30944	19.047	ug/l	98
5) Bromomethane	1.593	94	12892	14.094	ug/l	97
6) Chloroethane	1.666	64	9027	14.626	ug/l	97
7) Trichlorofluoromethane	1.861	101	50646	20.119	ug/l	99
8) Diethyl Ether	2.136	74	18197	19.643	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.313	101	28048	18.938	ug/l	87
10) Methyl Iodide	2.441	142	13869	7.765	ug/l	92
11) Tert butyl alcohol	3.026	59	36037	111.386	ug/l	96
12) 1,1-Dichloroethene	2.306	96	24303	17.578	ug/l	83
13) Acrolein	2.239	56	36065	99.370	ug/l	96
14) Allyl chloride	2.654	41	47763	21.266	ug/l #	94
15) Acrylonitrile	3.068	53	101743	123.067	ug/l	99
16) Acetone	2.392	43	78176	118.925	ug/l	96
17) Carbon Disulfide	2.495	76	54793	18.971	ug/l	97
18) Methyl Acetate	2.709	43	46558	23.943	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	104655	21.174	ug/l	100
20) Methylene Chloride	2.782	84	32564	20.284	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	28786	18.840	ug/l	87
22) Diisopropyl ether	3.763	45	100313	20.657	ug/l	92
23) Vinyl Acetate	3.721	43	463836	111.650	ug/l	96
24) 1,1-Dichloroethane	3.599	63	55429	20.419	ug/l	98
25) 2-Butanone	4.568	43	139467	124.232	ug/l	95
26) 2,2-Dichloropropane	4.465	77	45323	19.755	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	36927	19.499	ug/l	89
28) Bromochloromethane	4.897	49	18906	18.353	ug/l #	72
29) Tetrahydrofuran	5.013	42	91973	120.258	ug/l	94
30) Chloroform	5.086	83	59335	20.365	ug/l	95
31) Cyclohexane	5.458	56	47487	19.538	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	52674	20.167	ug/l	97
36) 1,1-Dichloropropene	5.684	75	37681	18.748	ug/l	96
37) Ethyl Acetate	4.715	43	54317	24.632	ug/l	99
38) Carbon Tetrachloride	5.666	117	45494	20.266	ug/l	98
39) Methylcyclohexane	7.373	83	53669	20.132	ug/l	92
40) Benzene	6.031	78	124521	20.060	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	26654	23.218	ug/l	91
42) 1,2-Dichloroethane	6.086	62	45101	20.955	ug/l	94
43) Isopropyl Acetate	6.342	43	77675	21.866	ug/l	97
44) Trichloroethene	7.123	130	34557	19.148	ug/l	84
45) 1,2-Dichloropropane	7.427	63	29488	19.813	ug/l	96
46) Dibromomethane	7.580	93	21526	19.396	ug/l #	78
47) Bromodichloromethane	7.818	83	40603	19.848	ug/l	99
48) Methyl methacrylate	7.696	41	35152	20.922	ug/l	93
49) 1,4-Dioxane	7.677	88	15101	417.575	ug/l #	86
51) 4-Methyl-2-Pentanone	8.580	43	271642	122.171	ug/l	98
52) Toluene	8.714	92	82038	20.974	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	40114	19.991	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	41190	18.057	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	33429	21.903	ug/l	97
56) Ethyl methacrylate	9.116	69	51047	21.878	ug/l	95
57) 1,3-Dichloropropane	9.305	76	54010	21.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	90332	79.547	ug/l	92
59) 2-Hexanone	9.433	43	211502	124.045	ug/l	96
60) Dibromochloromethane	9.519	129	37995	21.566	ug/l	98
61) 1,2-Dibromoethane	9.610	107	34927	21.330	ug/l	97
64) Tetrachloroethene	9.269	164	35382	20.137	ug/l	90
65) Chlorobenzene	10.079	112	93639	19.860	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	32980	20.421	ug/l	97
67) Ethyl Benzene	10.195	91	150727	20.031	ug/l	97
68) m/p-Xylenes	10.299	106	120720	39.742	ug/l	93
69) o-Xylene	10.640	106	59923	20.283	ug/l	95
70) Styrene	10.652	104	97940	20.377	ug/l	95
71) Bromoform	10.799	173	30087	21.790	ug/l #	98
73) Isopropylbenzene	10.963	105	156529	20.497	ug/l	96
74) N-amyl acetate	10.841	43	64231	21.401	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	53539	22.231	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	43107m	21.798	ug/l	
77) Bromobenzene	11.201	156	43732	19.678	ug/l	77
78) n-propylbenzene	11.305	91	166796	20.227	ug/l	96
79) 2-Chlorotoluene	11.366	91	105712	20.258	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	131143	20.642	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	13409	19.130	ug/l	99
82) 4-Chlorotoluene	11.451	91	116989	19.784	ug/l	92
83) tert-Butylbenzene	11.713	119	141949	20.864	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	131075	20.786	ug/l	93
85) sec-Butylbenzene	11.890	105	163046	20.753	ug/l	95
86) p-Isopropyltoluene	12.006	119	142964	20.649	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	77547	19.426	ug/l	94
88) 1,4-Dichlorobenzene	12.042	146	78319	19.121	ug/l	95
89) n-Butylbenzene	12.335	91	96292	18.317	ug/l	97
90) Hexachloroethane	12.536	117	20104	17.603	ug/l #	52
91) 1,2-Dichlorobenzene	12.335	146	73917	18.487	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10964	21.696	ug/l	60
93) 1,2,4-Trichlorobenzene	13.591	180	46997	16.953	ug/l	95
94) Hexachlorobutadiene	13.725	225	24244	17.117	ug/l	99
95) Naphthalene	13.774	128	149016	18.708	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	49924	17.097	ug/l	94

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

