

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042424\
 Data File : VX041230.D
 Acq On : 24 Apr 2024 13:19
 Operator : JC/MD
 Sample : VX0424WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2024
 Supervised By : Mahesh Dadoda 04/25/2024

Quant Time: Apr 25 05:53:10 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	5.537	168	28090	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	6.763	114	25793	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	13349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.030	152	3280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.982	65	3107	11.620	ug/l	0.03
Spiked Amount 50.000	Range 78 - 117		Recovery =	23.240%#		
35) Dibromofluoromethane	5.409	113	4191	26.712	ug/l	0.02
Spiked Amount 50.000	Range 75 - 124		Recovery =	53.420%#		
50) Toluene-d8	8.647	98	24233	45.779	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.560%#		
62) 4-Bromofluorobenzene	11.085	95	3399	17.397	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	34.800%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.288	85	6465m	29.099	ug/l	
3) Chloromethane	1.294	50	5405m	22.470	ug/l	
4) Vinyl Chloride	1.477	62	6469m	26.893	ug/l	
5) Bromomethane	1.599	94	3141	23.191	ug/l	96
6) Chloroethane	1.624	64	84	0.919	ug/l #	43
7) Trichlorofluoromethane	1.837	101	1080	2.898	ug/l	85
8) Diethyl Ether	2.130	74	355	2.588	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.258	101	583	2.659	ug/l #	45
10) Methyl Iodide	2.398	142	2765	10.456	ug/l #	78
11) Tert butyl alcohol	3.038	59	202	4.217	ug/l #	78
12) 1,1-Dichloroethene	2.258	96	2811	13.731	ug/l #	62
13) Acrolein	2.227	56	122	2.270	ug/l	96
14) Allyl chloride	2.684	41	152	0.457	ug/l #	1
15) Acrylonitrile	3.117	53	100	0.817	ug/l #	17
16) Acetone	2.404	43	356	3.658	ug/l #	74
17) Carbon Disulfide	2.434	76	5442	12.726	ug/l #	88
18) Methyl Acetate	2.721	43	508	1.764	ug/l #	82
19) Methyl tert-butyl Ether	3.081	73	178	0.243	ug/l #	54
20) Methylene Chloride	2.800	84	71	0.299	ug/l #	1
21) trans-1,2-Dichloroethene	3.050	96	2238	9.893	ug/l	84
22) Diisopropyl ether	3.806	45	5793	8.057	ug/l #	68
23) Vinyl Acetate	3.751	43	1725	2.804	ug/l #	77
24) 1,1-Dichloroethane	3.587	63	2635	6.556	ug/l #	83
25) 2-Butanone	4.696	43	64	0.385	ug/l #	51
26) 2,2-Dichloropropane	4.446	77	896	2.638	ug/l	94
27) cis-1,2-Dichloroethene	4.477	96	1648	5.877	ug/l	65
28) Bromochloromethane	4.916	49	229	1.501	ug/l #	16
29) Tetrahydrofuran	5.123	42	47	0.415	ug/l #	34
30) Chloroform	5.105	83	1183	2.742	ug/l	93
31) Cyclohexane	5.422	56	8414	23.380	ug/l	89
32) 1,1,1-Trichloroethane	5.361	97	1748	4.520	ug/l #	42
36) 1,1-Dichloropropene	5.672	75	5451	27.153	ug/l	98
37) Ethyl Acetate	4.727	43	162	0.736	ug/l #	63
38) Carbon Tetrachloride	5.647	117	3359	14.981	ug/l	98
39) Methylcyclohexane	7.360	83	10553	39.632	ug/l	93
40) Benzene	6.025	78	12563	20.263	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.111	62	639	2.973	ug/l #	77
43) Isopropyl Acetate	6.397	43	419	1.181	ug/l #	62
44) Trichloroethene	7.123	130	3918	21.736	ug/l	81
45) 1,2-Dichloropropane	7.433	63	1925	12.949	ug/l #	84
46) Dibromomethane	7.592	93	151	1.362	ug/l #	38
47) Bromodichloromethane	7.842	83	1633	7.992	ug/l #	91
48) Methyl methacrylate	7.805	41	123	0.733	ug/l #	16
49) 1,4-Dioxane	7.927	88	48	13.289	ug/l #	12
51) 4-Methyl-2-Pentanone	8.702	43	101	0.455	ug/l	99
52) Toluene	8.720	92	7163	18.335	ug/l	98
53) t-1,3-Dichloropropene	9.006	75	697	3.478	ug/l	89
54) cis-1,3-Dichloropropene	8.384	75	1429	6.272	ug/l	90
55) 1,1,2-Trichloroethane	9.171	97	791	5.189	ug/l #	83
56) Ethyl methacrylate	9.165	69	504	2.163	ug/l #	43
57) 1,3-Dichloropropane	9.329	76	1342	5.318	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.281	63	559	4.928	ug/l #	57
59) 2-Hexanone	9.525	43	59	0.346	ug/l	76
60) Dibromochloromethane	9.531	129	512	2.910	ug/l	91
61) 1,2-Dibromoethane	9.622	107	525	3.210	ug/l	82
64) Tetrachloroethene	9.275	164	4023	39.295	ug/l #	85
65) Chlorobenzene	10.085	112	4754	17.304	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	1452	15.430	ug/l	92
67) Ethyl Benzene	10.195	91	10614	24.209	ug/l	94
68) m/p-Xylenes	10.305	106	8309	46.947	ug/l	85
69) o-Xylene	10.646	106	3563	20.699	ug/l	90
70) Styrene	10.665	104	3345	11.945	ug/l	97
71) Bromoform	10.817	173	247	3.070	ug/l #	53
73) Isopropylbenzene	10.963	105	11638	57.026	ug/l	93
74) N-amyl acetate	10.890	43	202	2.518	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	11.225	83	485	7.536	ug/l #	95
76) 1,2,3-Trichloropropane	11.262	75	524	9.915	ug/l #	37
77) Bromobenzene	11.207	156	1185	19.953	ug/l	87
78) n-propylbenzene	11.305	91	11874	53.884	ug/l	96
79) 2-Chlorotoluene	11.372	91	6405	45.931	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	8315	48.974	ug/l	94
81) trans-1,4-Dichloro-2-b...	10.963	75	147	7.848	ug/l #	72
82) 4-Chlorotoluene	11.463	91	5675	35.912	ug/l	94
83) tert-Butylbenzene	11.713	119	10664	58.653	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	6510	38.631	ug/l	93
85) sec-Butylbenzene	11.890	105	14526	69.185	ug/l	98
86) p-Isopropyltoluene	12.012	119	10158	54.901	ug/l	95
87) 1,3-Dichlorobenzene	11.975	146	2530	23.716	ug/l	95
88) 1,4-Dichlorobenzene	12.048	146	2064	18.857	ug/l	89
89) n-Butylbenzene	12.335	91	7382	52.547	ug/l	98
90) Hexachloroethane	12.536	117	1227	40.202	ug/l #	52
91) 1,2-Dichlorobenzene	12.341	146	1928	18.044	ug/l	92
93) 1,2,4-Trichlorobenzene	13.597	180	783	10.569	ug/l	96
94) Hexachlorobutadiene	13.725	225	2457	64.913	ug/l	96
95) Naphthalene	13.786	128	2377	11.167	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.969	180	822	10.534	ug/l	87

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