

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042624\
 Data File : VX041265.D
 Acq On : 26 Apr 2024 17:36
 Operator : JC/MD
 Sample : VX0426WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0426WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2024
 Supervised By : Mahesh Dadoda 04/29/2024

Quant Time: Apr 27 02:21:39 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	151894	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	216856	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84760	58.620	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.240%#			
35) Dibromofluoromethane	5.385	113	70884	53.736	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.480%			
50) Toluene-d8	8.647	98	231868	52.099	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.200%			
62) 4-Bromofluorobenzene	11.079	95	89350	54.393	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.780%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	19504	16.234	ug/l	98
3) Chloromethane	1.295	50	21536	16.557	ug/l	100
4) Vinyl Chloride	1.374	62	22884	17.593	ug/l	100
5) Bromomethane	1.599	94	14151	19.322	ug/l	91
6) Chloroethane	1.666	64	14168	28.671	ug/l	100
7) Trichlorofluoromethane	1.868	101	43299	21.483	ug/l	98
8) Diethyl Ether	2.136	74	16764	22.602	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	22780	19.210	ug/l	88
10) Methyl Iodide	2.447	142	18497	12.935	ug/l	90
11) Tert butyl alcohol	3.008	59	33967m	131.129	ug/l	
12) 1,1-Dichloroethene	2.313	96	21877	19.763	ug/l	83
13) Acrolein	2.240	56	25887	89.086	ug/l	99
14) Allyl chloride	2.660	41	36997	20.574	ug/l	94
15) Acrylonitrile	3.069	53	72267	109.178	ug/l	99
16) Acetone	2.386	43	66958	127.222	ug/l	96
17) Carbon Disulfide	2.502	76	40584	17.550	ug/l	100
18) Methyl Acetate	2.709	43	35105	22.548	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	82190	20.769	ug/l	97
20) Methylene Chloride	2.788	84	26832	20.875	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	22211	18.157	ug/l	88
22) Diisopropyl ether	3.764	45	81169	20.877	ug/l	95
23) Vinyl Acetate	3.721	43	362020	108.839	ug/l	97
24) 1,1-Dichloroethane	3.611	63	43819	20.161	ug/l	95
25) 2-Butanone	4.568	43	99747	110.974	ug/l	97
26) 2,2-Dichloropropane	4.471	77	32246	17.555	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	28863	19.036	ug/l	91
28) Bromochloromethane	4.898	49	17022	20.638	ug/l #	79
29) Tetrahydrofuran	5.007	42	67683	110.533	ug/l	96
30) Chloroform	5.093	83	49203	21.092	ug/l	99
31) Cyclohexane	5.465	56	30382	15.613	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	41441	19.817	ug/l	98
36) 1,1-Dichloropropene	5.690	75	28022	16.603	ug/l	95
37) Ethyl Acetate	4.721	43	39408	21.281	ug/l	99
38) Carbon Tetrachloride	5.672	117	34419	18.258	ug/l	96
39) Methylcyclohexane	7.379	83	32953	14.720	ug/l	91
40) Benzene	6.038	78	95787	18.376	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21262	22.055	ug/l	94
42) 1,2-Dichloroethane	6.086	62	38448	21.273	ug/l	97
43) Isopropyl Acetate	6.342	43	62030	20.794	ug/l	99
44) Trichloroethene	7.123	130	26718	17.630	ug/l	87
45) 1,2-Dichloropropane	7.428	63	23795	19.039	ug/l	99
46) Dibromomethane	7.580	93	18926	20.308	ug/l #	76
47) Bromodichloromethane	7.818	83	34923	20.329	ug/l	95
48) Methyl methacrylate	7.696	41	30764	21.804	ug/l	95
49) 1,4-Dioxane	7.671	88	14837	488.564	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	217685	116.586	ug/l	100
52) Toluene	8.714	92	63119	19.217	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	32560	19.323	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	35945	18.765	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	26838	20.940	ug/l	98
56) Ethyl methacrylate	9.116	69	41764	21.316	ug/l	96
57) 1,3-Dichloropropane	9.305	76	44257	20.860	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	86516	90.725	ug/l	94
59) 2-Hexanone	9.433	43	169712	118.529	ug/l	99
60) Dibromochloromethane	9.519	129	30328	20.499	ug/l	99
61) 1,2-Dibromoethane	9.610	107	28856	20.985	ug/l	99
64) Tetrachloroethene	9.275	164	25452	16.682	ug/l	90
65) Chlorobenzene	10.080	112	74212	18.126	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	27260	19.439	ug/l	98
67) Ethyl Benzene	10.195	91	115573	17.689	ug/l	96
68) m/p-Xylenes	10.299	106	91429	34.664	ug/l	95
69) o-Xylene	10.640	106	46463	18.112	ug/l	95
70) Styrene	10.653	104	80095	19.192	ug/l	94
71) Bromoform	10.799	173	24287	20.257	ug/l #	98
73) Isopropylbenzene	10.964	105	118786	17.396	ug/l	97
74) N-amyl acetate	10.842	43	56895	21.201	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	44641	20.731	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	35545m	20.103	ug/l	
77) Bromobenzene	11.195	156	37193	18.717	ug/l	77
78) n-propylbenzene	11.305	91	127098	17.238	ug/l	96
79) 2-Chlorotoluene	11.366	91	82341	17.648	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	100143	17.629	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	10896	17.386	ug/l	95
82) 4-Chlorotoluene	11.451	91	92793	17.550	ug/l	92
83) tert-Butylbenzene	11.713	119	109439	17.990	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	102661	18.208	ug/l	95
85) sec-Butylbenzene	11.890	105	122301	17.410	ug/l	96
86) p-Isopropyltoluene	12.006	119	108124	17.466	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	63459	17.779	ug/l	94
88) 1,4-Dichlorobenzene	12.043	146	64709	17.669	ug/l	95
89) n-Butylbenzene	12.329	91	80700	17.169	ug/l	97
90) Hexachloroethane	12.536	117	17955	17.583	ug/l	59
91) 1,2-Dichlorobenzene	12.335	146	67868	18.983	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9874	21.853	ug/l	64
93) 1,2,4-Trichlorobenzene	13.585	180	44489	17.948	ug/l	96
94) Hexachlorobutadiene	13.725	225	21339	16.850	ug/l	99
95) Naphthalene	13.774	128	139849	19.636	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	46730	17.898	ug/l	95

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

