

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062824\
 Data File : VX042085.D
 Acq On : 28 Jun 2024 14:50
 Operator : JC/MD
 Sample : VX0628WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/01/2024
 Supervised By : Mahesh Dadoda 07/01/2024

Quant Time: Jun 29 04:20:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	185543	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	259468	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131117	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90824	42.450	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.900%		
35) Dibromofluoromethane	5.385	113	86177	46.808	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.620%		
50) Toluene-d8	8.647	98	293721	45.413	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.820%#		
62) 4-Bromofluorobenzene	11.079	95	115596	48.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.960%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	32096	22.706	ug/l	98
3) Chloromethane	1.301	50	34370	19.382	ug/l	99
4) Vinyl Chloride	1.374	62	33120	18.632	ug/l	99
5) Bromomethane	1.599	94	18221	20.758	ug/l	97
6) Chloroethane	1.666	64	17705	22.250	ug/l	99
7) Trichlorofluoromethane	1.868	101	48140	20.670	ug/l	99
8) Diethyl Ether	2.136	74	19375	17.723	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.319	101	31140	19.410	ug/l #	85
10) Methyl Iodide	2.441	142	38411	19.263	ug/l #	85
11) Tert butyl alcohol	2.995	59	37642	92.703	ug/l #	95
12) 1,1-Dichloroethene	2.306	96	30550	19.090	ug/l	84
13) Acrolein	2.239	56	40594	89.186	ug/l	96
14) Allyl chloride	2.660	41	48282	19.024	ug/l	88
15) Acrylonitrile	3.069	53	100236	94.508	ug/l	97
16) Acetone	2.392	43	92297	98.243	ug/l #	86
17) Carbon Disulfide	2.502	76	66370	20.340	ug/l	100
18) Methyl Acetate	2.709	43	42100	16.427	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	101595	19.216	ug/l	98
20) Methylene Chloride	2.788	84	41284	20.069	ug/l #	84
21) trans-1,2-Dichloroethene	3.087	96	31511	19.401	ug/l	85
22) Diisopropyl ether	3.770	45	99188	18.489	ug/l #	84
23) Vinyl Acetate	3.721	43	443647	96.834	ug/l	95
24) 1,1-Dichloroethane	3.605	63	55734	18.552	ug/l	98
25) 2-Butanone	4.568	43	138110	94.493	ug/l	94
26) 2,2-Dichloropropane	4.471	77	41102	18.892	ug/l	92
27) cis-1,2-Dichloroethene	4.483	96	39110	19.226	ug/l	85
28) Bromochloromethane	4.897	49	24521	19.056	ug/l #	70
29) Tetrahydrofuran	5.013	42	86215	91.335	ug/l	92
30) Chloroform	5.093	83	57935	18.510	ug/l	96
31) Cyclohexane	5.458	56	49110	19.627	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	49339	18.865	ug/l	95
36) 1,1-Dichloropropene	5.690	75	38528	19.707	ug/l	93
37) Ethyl Acetate	4.721	43	51215	20.110	ug/l	97
38) Carbon Tetrachloride	5.678	117	43227	20.012	ug/l	95
39) Methylcyclohexane	7.379	83	52557	21.257	ug/l	89
40) Benzene	6.038	78	131835	19.994	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	26830	19.435	ug/l	92
42) 1,2-Dichloroethane	6.086	62	41798	19.680	ug/l	90
43) Isopropyl Acetate	6.348	43	74632	19.092	ug/l #	94
44) Trichloroethene	7.129	130	36735	20.785	ug/l	82
45) 1,2-Dichloropropane	7.428	63	31946	19.704	ug/l	97
46) Dibromomethane	7.586	93	23829	20.172	ug/l #	75
47) Bromodichloromethane	7.824	83	41731	19.241	ug/l	97
48) Methyl methacrylate	7.696	41	35721	19.147	ug/l #	84
49) 1,4-Dioxane	7.671	88	17461m	366.603	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	260846	96.870	ug/l	94
52) Toluene	8.720	92	85311	20.318	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	42303	19.296	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	48758	20.534	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	35385	20.230	ug/l	96
56) Ethyl methacrylate	9.116	69	54981	20.205	ug/l #	87
57) 1,3-Dichloropropane	9.311	76	56196	19.886	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	134496	106.063	ug/l	92
59) 2-Hexanone	9.433	43	204154	98.988	ug/l	90
60) Dibromochloromethane	9.519	129	37449	19.710	ug/l	99
61) 1,2-Dibromoethane	9.610	107	37194	20.504	ug/l	99
64) Tetrachloroethene	9.275	164	38256	22.200	ug/l	89
65) Chlorobenzene	10.079	112	100064	20.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	34252	19.875	ug/l	98
67) Ethyl Benzene	10.195	91	159627	20.693	ug/l	99
68) m/p-Xylenes	10.299	106	128546	41.280	ug/l	91
69) o-Xylene	10.640	106	64419	20.895	ug/l	91
70) Styrene	10.659	104	106380	20.577	ug/l	94
71) Bromoform	10.799	173	30450	19.348	ug/l #	100
73) Isopropylbenzene	10.963	105	162707	20.409	ug/l	97
74) N-amyl acetate	10.842	43	66061	18.654	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	55672	18.780	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	43890m	18.439	ug/l	
77) Bromobenzene	11.201	156	46945	19.771	ug/l	78
78) n-propylbenzene	11.305	91	174135	20.131	ug/l	94
79) 2-Chlorotoluene	11.366	91	111233	19.958	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	137276	20.673	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	15562	18.567	ug/l	88
82) 4-Chlorotoluene	11.457	91	122391	19.865	ug/l	89
83) tert-Butylbenzene	11.713	119	141339	19.398	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	138186	20.742	ug/l	93
85) sec-Butylbenzene	11.890	105	171276	20.782	ug/l	96
86) p-Isopropyltoluene	12.006	119	149149	20.717	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	82995	19.886	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	84853	19.816	ug/l	95
89) n-Butylbenzene	12.335	91	110064	19.861	ug/l	97
90) Hexachloroethane	12.536	117	23005	18.769	ug/l #	55
91) 1,2-Dichlorobenzene	12.335	146	84555	19.799	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	11071	18.846	ug/l #	46
93) 1,2,4-Trichlorobenzene	13.585	180	56440	20.174	ug/l	95
94) Hexachlorobutadiene	13.725	225	28395	20.072	ug/l	99
95) Naphthalene	13.774	128	175484	19.136	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	59555	20.184	ug/l	95

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

