

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040924\
 Data File : VX040944.D
 Acq On : 09 Apr 2024 10:26
 Operator : JC/MD
 Sample : VX0409WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/10/2024
 Supervised By : Mahesh Dadoda 04/10/2024

Quant Time: Apr 10 00:33:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	46758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	79120	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	74929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	38865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	43114	51.389	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.780%			
35) Dibromofluoromethane	5.391	113	29180	52.069	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.140%			
50) Toluene-d8	8.647	98	101030	49.891	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.780%			
62) 4-Bromofluorobenzene	11.079	95	41680	51.541	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	11010	17.372	ug/l	93
3) Chloromethane	1.301	50	11344	20.719	ug/l	95
4) Vinyl Chloride	1.374	62	12169	21.531	ug/l	100
5) Bromomethane	1.605	94	8234	23.682	ug/l	96
6) Chloroethane	1.691	64	7572	20.784	ug/l	96
7) Trichlorofluoromethane	1.892	101	21019	19.428	ug/l	91
8) Diethyl Ether	2.136	74	7104	20.320	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	10587	18.982	ug/l	98
10) Methyl Iodide	2.453	142	12114	17.905	ug/l	100
11) Tert butyl alcohol	2.953	59	14372	93.830	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	9689	18.522	ug/l	97
13) Acrolein	2.240	56	8538	102.116	ug/l	96
14) Allyl chloride	2.666	41	17895	19.097	ug/l	90
15) Acrylonitrile	3.063	53	31453	97.343	ug/l	96
16) Acetone	2.380	43	32752	100.539	ug/l	97
17) Carbon Disulfide	2.514	76	24583	16.245	ug/l	97
18) Methyl Acetate	2.703	43	15986	20.684	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	34856	18.930	ug/l	98
20) Methylene Chloride	2.794	84	10855	17.981	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	9740	17.629	ug/l	94
22) Diisopropyl ether	3.764	45	36102	19.797	ug/l	97
23) Vinyl Acetate	3.721	43	168775	96.560	ug/l	99
24) 1,1-Dichloroethane	3.611	63	20010	19.206	ug/l	99
25) 2-Butanone	4.556	43	48595	100.420	ug/l	97
26) 2,2-Dichloropropane	4.477	77	17316	19.358	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	12180	19.090	ug/l	98
28) Bromochloromethane	4.898	49	9463	20.200	ug/l	99
29) Tetrahydrofuran	5.007	42	31443	99.967	ug/l	98
30) Chloroform	5.087	83	22154	19.536	ug/l	100
31) Cyclohexane	5.471	56	16066	18.046	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	20026	19.872	ug/l	98
36) 1,1-Dichloropropene	5.702	75	15086	18.946	ug/l	98
37) Ethyl Acetate	4.715	43	18386	18.804	ug/l	96
38) Carbon Tetrachloride	5.684	117	17013	19.300	ug/l	96
39) Methylcyclohexane	7.379	83	17002	17.870	ug/l	96
40) Benzene	6.038	78	42306	19.142	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	10354	20.619	ug/l	95
42) 1,2-Dichloroethane	6.086	62	18868	19.656	ug/l	97
43) Isopropyl Acetate	6.342	43	29452	19.504	ug/l	97
44) Trichloroethene	7.129	130	10509	19.039	ug/l	98
45) 1,2-Dichloropropane	7.428	63	10407	19.726	ug/l	90
46) Dibromomethane	7.580	93	8493	19.640	ug/l	97
47) Bromodichloromethane	7.824	83	17318	19.248	ug/l	98
48) Methyl methacrylate	7.690	41	14799	20.014	ug/l	94
49) 1,4-Dioxane	7.659	88	5718	405.226	ug/l #	92
51) 4-Methyl-2-Pentanone	8.568	43	99801	99.640	ug/l	96
52) Toluene	8.720	92	26716	19.158	ug/l	91
53) t-1,3-Dichloropropene	8.976	75	16818	18.844	ug/l	93
54) cis-1,3-Dichloropropene	8.366	75	17130	19.202	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	11002	20.216	ug/l	98
56) Ethyl methacrylate	9.116	69	17942	19.200	ug/l #	91
57) 1,3-Dichloropropane	9.305	76	18398	19.330	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	44043	97.219	ug/l	98
59) 2-Hexanone	9.427	43	80745	100.517	ug/l	93
60) Dibromochloromethane	9.519	129	12779	19.670	ug/l	99
61) 1,2-Dibromoethane	9.610	107	11340	19.314	ug/l	99
64) Tetrachloroethene	9.275	164	9572	19.304	ug/l	98
65) Chlorobenzene	10.080	112	29877	18.232	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	10549	19.394	ug/l	98
67) Ethyl Benzene	10.195	91	54787	18.747	ug/l	98
68) m/p-Xylenes	10.299	106	39831	37.460	ug/l	89
69) o-Xylene	10.640	106	19218	19.185	ug/l	90
70) Styrene	10.653	104	33205	19.129	ug/l	96
71) Bromoform	10.799	173	8910	19.342	ug/l #	98
73) Isopropylbenzene	10.964	105	52752	19.434	ug/l	99
74) N-amyl acetate	10.842	43	25815	18.776	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	18228	19.639	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	15636m	18.867	ug/l	
77) Bromobenzene	11.195	156	12205	19.167	ug/l	96
78) n-propylbenzene	11.305	91	65903	19.427	ug/l	96
79) 2-Chlorotoluene	11.360	91	39002	19.265	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	44971	19.398	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	5247	17.082	ug/l	94
82) 4-Chlorotoluene	11.451	91	46699	19.320	ug/l	97
83) tert-Butylbenzene	11.713	119	44377	19.295	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	45362	19.423	ug/l	100
85) sec-Butylbenzene	11.890	105	56055	19.190	ug/l	98
86) p-Isopropyltoluene	12.006	119	47069	19.212	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	24331	18.904	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	24557	17.981	ug/l	98
89) n-Butylbenzene	12.329	91	46117	19.054	ug/l	95
90) Hexachloroethane	12.536	117	8229	19.281	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	23418	18.565	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	4637	19.443	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	15533	17.763	ug/l	98
94) Hexachlorobutadiene	13.725	225	6152	18.365	ug/l	98
95) Naphthalene	13.774	128	54393	19.318	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	15458	18.529	ug/l	100

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

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