

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040748.D
 Acq On : 21 Mar 2024 17:23
 Operator : JC/MD
 Sample : VX0321WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0321WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2024
 Supervised By : Mahesh Dadoda 03/25/2024

Quant Time: Mar 22 02:57:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	48797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	80700	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	69734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	35694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	40282	49.095	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.180%		
35) Dibromofluoromethane	5.385	113	28085	46.510	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.020%		
50) Toluene-d8	8.647	98	98488	47.634	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.260%		
62) 4-Bromofluorobenzene	11.079	95	37657	46.098	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	12463	19.736	ug/l	99
3) Chloromethane	1.300	50	11281	17.466	ug/l	100
4) Vinyl Chloride	1.373	62	11283	18.449	ug/l	98
5) Bromomethane	1.611	94	7751	18.801	ug/l	98
6) Chloroethane	1.691	64	7307	16.998	ug/l	95
7) Trichlorofluoromethane	1.892	101	19340	18.073	ug/l	94
8) Diethyl Ether	2.136	74	6096	17.723	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	11235	18.258	ug/l	96
10) Methyl Iodide	2.459	142	15908	19.525	ug/l	99
11) Tert butyl alcohol	2.952	59	14306	108.882	ug/l #	88
12) 1,1-Dichloroethene	2.325	96	10688	18.543	ug/l	95
13) Acrolein	2.239	56	7332	94.296	ug/l	100
14) Allyl chloride	2.666	41	19157	18.545	ug/l	89
15) Acrylonitrile	3.062	53	33378	102.906	ug/l	99
16) Acetone	2.379	43	34421	118.438	ug/l	99
17) Carbon Disulfide	2.514	76	28579	17.262	ug/l	98
18) Methyl Acetate	2.703	43	14188	18.215	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	38187	19.196	ug/l	95
20) Methylene Chloride	2.794	84	11970	18.842	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	10817	17.777	ug/l	93
22) Diisopropyl ether	3.763	45	38066	18.885	ug/l	92
23) Vinyl Acetate	3.721	43	183478	96.298	ug/l	98
24) 1,1-Dichloroethane	3.611	63	21208	18.318	ug/l	99
25) 2-Butanone	4.556	43	48718	107.025	ug/l	99
26) 2,2-Dichloropropane	4.477	77	18868	18.679	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	13777	19.546	ug/l	96
28) Bromochloromethane	4.897	49	10607	20.031	ug/l	99
29) Tetrahydrofuran	5.001	42	31279	103.306	ug/l	99
30) Chloroform	5.092	83	23900	19.282	ug/l	93
31) Cyclohexane	5.470	56	17889	18.350	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	20736	19.463	ug/l	98
36) 1,1-Dichloropropene	5.696	75	16360	18.401	ug/l	96
37) Ethyl Acetate	4.714	43	19152	18.970	ug/l	98
38) Carbon Tetrachloride	5.678	117	18181	18.168	ug/l	97
39) Methylcyclohexane	7.379	83	18399	18.679	ug/l	94
40) Benzene	6.037	78	46422	18.909	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	10336	19.798	ug/l	98
42) 1,2-Dichloroethane	6.086	62	19325	19.452	ug/l	97
43) Isopropyl Acetate	6.336	43	30281	19.100	ug/l	97
44) Trichloroethene	7.129	130	11465	19.483	ug/l	89
45) 1,2-Dichloropropane	7.433	63	11240	19.514	ug/l	98
46) Dibromomethane	7.580	93	8874	19.452	ug/l	99
47) Bromodichloromethane	7.824	83	17772	19.065	ug/l	99
48) Methyl methacrylate	7.689	41	15099	20.837	ug/l	94
49) 1,4-Dioxane	7.659	88	5639	461.111	ug/l #	96
51) 4-Methyl-2-Pentanone	8.567	43	99269	100.967	ug/l	95
52) Toluene	8.720	92	28294	19.324	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	17345	17.987	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	18968	19.020	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	11000	18.448	ug/l	95
56) Ethyl methacrylate	9.116	69	18998	19.062	ug/l #	94
57) 1,3-Dichloropropane	9.305	76	18304	17.989	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	50554	96.648	ug/l	95
59) 2-Hexanone	9.427	43	74953	98.412	ug/l	97
60) Dibromochloromethane	9.518	129	12729	18.167	ug/l	97
61) 1,2-Dibromoethane	9.610	107	11409	18.120	ug/l	100
64) Tetrachloroethene	9.275	164	9558	18.401	ug/l	98
65) Chlorobenzene	10.079	112	29486	18.643	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	10234	19.015	ug/l	98
67) Ethyl Benzene	10.195	91	51673	18.243	ug/l	97
68) m/p-Xylenes	10.299	106	39814	38.392	ug/l	93
69) o-Xylene	10.640	106	18367	18.436	ug/l	88
70) Styrene	10.652	104	32056	19.221	ug/l	97
71) Bromoform	10.799	173	8092	18.408	ug/l #	99
73) Isopropylbenzene	10.963	105	50909	18.797	ug/l	100
74) N-amyl acetate	10.841	43	25485	19.112	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	16752	18.271	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	14894m	19.401	ug/l	
77) Bromobenzene	11.195	156	12434	18.967	ug/l	94
78) n-propylbenzene	11.305	91	63651	19.061	ug/l	97
79) 2-Chlorotoluene	11.360	91	36600	18.994	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	42696	18.805	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	5619	18.517	ug/l	97
82) 4-Chlorotoluene	11.451	91	43405	17.960	ug/l	98
83) tert-Butylbenzene	11.713	119	42592	18.704	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	43998	19.254	ug/l	99
85) sec-Butylbenzene	11.890	105	54519	18.827	ug/l	100
86) p-Isopropyltoluene	12.006	119	47033	19.587	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	23415	18.704	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	24761	18.624	ug/l	100
89) n-Butylbenzene	12.329	91	44573	18.408	ug/l	95
90) Hexachloroethane	12.536	117	7403	17.705	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	22594	18.370	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	4253	18.578	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	16554	18.938	ug/l	97
94) Hexachlorobutadiene	13.725	225	6599	19.153	ug/l	97
95) Naphthalene	13.774	128	56388	20.390	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	16816	19.580	ug/l	99

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

