

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021524\
 Data File : VX040245.D
 Acq On : 15 Feb 2024 12:34
 Operator : JC/MD
 Sample : VX0215WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0215WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2024
 Supervised By : Mahesh Dadoda 02/16/2024

Quant Time: Feb 16 00:47:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	71413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	116735	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	110104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	48644	45.786	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.580%		
35) Dibromofluoromethane	5.385	113	38536	47.271	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.540%		
50) Toluene-d8	8.647	98	141161	46.290	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.580%		
62) 4-Bromofluorobenzene	11.079	95	56391	45.342	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.680%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	15913	19.727	ug/l	100
3) Chloromethane	1.295	50	15285	18.375	ug/l	94
4) Vinyl Chloride	1.374	62	15951	18.145	ug/l	97
5) Bromomethane	1.605	94	12038	24.267	ug/l	96
6) Chloroethane	1.691	64	9852	17.770	ug/l	99
7) Trichlorofluoromethane	1.886	101	26130	18.509	ug/l	98
8) Diethyl Ether	2.130	74	9836	18.548	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	14605	19.287	ug/l	93
10) Methyl Iodide	2.453	142	17385	20.679	ug/l	90
11) Tert butyl alcohol	2.947	59	21632	104.532	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	13907	19.074	ug/l	86
13) Acrolein	2.233	56	17573	92.001	ug/l	98
14) Allyl chloride	2.660	41	23191	18.329	ug/l	96
15) Acrylonitrile	3.063	53	47968	103.596	ug/l	99
16) Acetone	2.374	43	45141	103.453	ug/l	92
17) Carbon Disulfide	2.514	76	32341	16.802	ug/l	96
18) Methyl Acetate	2.697	43	20901	17.868	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	49842	19.404	ug/l	100
20) Methylene Chloride	2.788	84	16391	19.051	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	14643	17.634	ug/l	89
22) Diisopropyl ether	3.757	45	49753	19.389	ug/l	93
23) Vinyl Acetate	3.721	43	227548	99.473	ug/l	99
24) 1,1-Dichloroethane	3.611	63	28157	18.837	ug/l	98
25) 2-Butanone	4.550	43	67361	98.761	ug/l	93
26) 2,2-Dichloropropane	4.477	77	20970	18.225	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	18346	19.367	ug/l	90
28) Bromochloromethane	4.898	49	13106	20.652	ug/l	92
29) Tetrahydrofuran	4.995	42	43105	97.005	ug/l	94
30) Chloroform	5.093	83	30897	19.118	ug/l	99
31) Cyclohexane	5.458	56	22619	17.849	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	25736	18.930	ug/l	98
36) 1,1-Dichloropropene	5.690	75	20826	18.237	ug/l	98
37) Ethyl Acetate	4.709	43	25278	19.893	ug/l	98
38) Carbon Tetrachloride	5.678	117	19986	18.407	ug/l	94
39) Methylcyclohexane	7.379	83	24688	18.603	ug/l	90
40) Benzene	6.038	78	61577	19.282	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	13275	19.707	ug/l	90
42) 1,2-Dichloroethane	6.086	62	24729	19.811	ug/l	100
43) Isopropyl Acetate	6.336	43	38633	19.476	ug/l	97
44) Trichloroethene	7.123	130	16867	19.148	ug/l	93
45) 1,2-Dichloropropane	7.434	63	16243	19.541	ug/l	93
46) Dibromomethane	7.580	93	12677	20.708	ug/l	96
47) Bromodichloromethane	7.818	83	23385	19.825	ug/l	98
48) Methyl methacrylate	7.690	41	19926	19.632	ug/l	92
49) 1,4-Dioxane	7.659	88	9467	428.755	ug/l #	90
51) 4-Methyl-2-Pentanone	8.568	43	141103	104.190	ug/l	99
52) Toluene	8.714	92	39881	19.066	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	24276	18.415	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	26700	20.197	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	17948	20.117	ug/l	97
56) Ethyl methacrylate	9.116	69	26543	19.873	ug/l	97
57) 1,3-Dichloropropane	9.305	76	29447	20.222	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	55077	87.171	ug/l	98
59) 2-Hexanone	9.427	43	109680	102.148	ug/l	97
60) Dibromochloromethane	9.519	129	17736	19.512	ug/l	96
61) 1,2-Dibromoethane	9.610	107	18843	19.870	ug/l	99
64) Tetrachloroethene	9.275	164	15133	19.613	ug/l	96
65) Chlorobenzene	10.080	112	44704	19.454	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.159	131	15843	19.907	ug/l	95
67) Ethyl Benzene	10.195	91	81115	19.820	ug/l	100
68) m/p-Xylenes	10.299	106	60513	39.150	ug/l	95
69) o-Xylene	10.640	106	30072	20.021	ug/l	99
70) Styrene	10.653	104	50309	20.146	ug/l	97
71) Bromoform	10.799	173	13403	19.178	ug/l #	97
73) Isopropylbenzene	10.964	105	81243	19.808	ug/l	100
74) N-amyl acetate	10.842	43	35087	19.957	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	30832	20.923	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	24610m	20.869	ug/l	
77) Bromobenzene	11.195	156	19696	20.331	ug/l	94
78) n-propylbenzene	11.305	91	96185	19.370	ug/l	100
79) 2-Chlorotoluene	11.360	91	57411	19.146	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	68816	19.929	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	7299	19.697	ug/l	99
82) 4-Chlorotoluene	11.451	91	68452	19.267	ug/l	98
83) tert-Butylbenzene	11.713	119	66579	19.667	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	68387	19.576	ug/l	98
85) sec-Butylbenzene	11.890	105	86830	19.957	ug/l	98
86) p-Isopropyltoluene	12.006	119	70262	19.701	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	38848	20.239	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	39106	19.240	ug/l	98
89) n-Butylbenzene	12.329	91	66964	19.451	ug/l	97
90) Hexachloroethane	12.536	117	10432	18.544	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	37940	20.418	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6862	20.176	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	24955	19.617	ug/l	97
94) Hexachlorobutadiene	13.725	225	9498	18.707	ug/l	94
95) Naphthalene	13.774	128	80504	20.037	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23844	19.664	ug/l	96

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

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