

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032724\
 Data File : VX040806.D
 Acq On : 27 Mar 2024 12:30
 Operator : JC/MD
 Sample : VX0327WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2024
 Supervised By : Mahesh Dadoda 03/28/2024

Quant Time: Mar 28 03:52:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	40078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	67638	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	62771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	30709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	35640	52.887	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.780%			
35) Dibromofluoromethane	5.385	113	24812	49.025	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.060%			
50) Toluene-d8	8.647	98	86378	49.845	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.680%			
62) 4-Bromofluorobenzene	11.079	95	31474	45.970	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.940%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	10298	19.856	ug/l	94
3) Chloromethane	1.300	50	9182	17.309	ug/l	98
4) Vinyl Chloride	1.374	62	9915	19.739	ug/l	96
5) Bromomethane	1.611	94	6662	19.675	ug/l	94
6) Chloroethane	1.691	64	5456	15.453	ug/l	95
7) Trichlorofluoromethane	1.892	101	16700	19.001	ug/l	95
8) Diethyl Ether	2.136	74	5322	18.839	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	9363	18.526	ug/l	99
10) Methyl Iodide	2.453	142	11815	17.656	ug/l	98
11) Tert butyl alcohol	2.946	59	13114	121.523	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	8306	17.546	ug/l	99
13) Acrolein	2.233	56	8220	128.715	ug/l	99
14) Allyl chloride	2.666	41	15744	18.557	ug/l	91
15) Acrylonitrile	3.062	53	29021	108.938	ug/l	96
16) Acetone	2.373	43	28890	121.033	ug/l	99
17) Carbon Disulfide	2.514	76	21260	15.635	ug/l	98
18) Methyl Acetate	2.703	43	13340	20.853	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	31346	19.185	ug/l	99
20) Methylene Chloride	2.788	84	9546	18.296	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	8684	17.377	ug/l	92
22) Diisopropyl ether	3.757	45	31145	18.813	ug/l	94
23) Vinyl Acetate	3.721	43	151229	96.639	ug/l	98
24) 1,1-Dichloroethane	3.605	63	17443	18.344	ug/l	97
25) 2-Butanone	4.550	43	42909	114.770	ug/l	97
26) 2,2-Dichloropropane	4.477	77	14923	17.987	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	10669	18.430	ug/l	98
28) Bromochloromethane	4.897	49	7885	18.130	ug/l #	97
29) Tetrahydrofuran	4.995	42	27959	112.429	ug/l	99
30) Chloroform	5.086	83	19333	18.991	ug/l	100
31) Cyclohexane	5.470	56	14139	17.659	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	16731	19.121	ug/l	97
36) 1,1-Dichloropropene	5.690	75	13151	17.648	ug/l	96
37) Ethyl Acetate	4.708	43	17580	20.776	ug/l	97
38) Carbon Tetrachloride	5.672	117	14157	16.879	ug/l	93
39) Methylcyclohexane	7.379	83	14993	18.161	ug/l	93
40) Benzene	6.037	78	36349	17.665	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	8827	20.173	ug/l	94
42) 1,2-Dichloroethane	6.086	62	16339	19.623	ug/l	97
43) Isopropyl Acetate	6.336	43	26468	19.919	ug/l	97
44) Trichloroethene	7.123	130	9240	18.735	ug/l	93
45) 1,2-Dichloropropane	7.427	63	9012	18.667	ug/l	93
46) Dibromomethane	7.580	93	7623	19.937	ug/l	98
47) Bromodichloromethane	7.818	83	15283	19.561	ug/l	97
48) Methyl methacrylate	7.690	41	13179	21.700	ug/l	97
49) 1,4-Dioxane	7.653	88	5230	510.256	ug/l #	90
51) 4-Methyl-2-Pentanone	8.567	43	89098	108.123	ug/l	96
52) Toluene	8.714	92	23043	18.777	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	14565	18.021	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	15587	18.648	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	9486	18.981	ug/l	97
56) Ethyl methacrylate	9.116	69	16328	19.547	ug/l #	91
57) 1,3-Dichloropropane	9.305	76	16004	18.766	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	41672	95.053	ug/l	97
59) 2-Hexanone	9.427	43	71462	111.948	ug/l	96
60) Dibromochloromethane	9.518	129	10996	18.724	ug/l	97
61) 1,2-Dibromoethane	9.610	107	10338	19.589	ug/l	97
64) Tetrachloroethene	9.275	164	7834	16.755	ug/l	94
65) Chlorobenzene	10.079	112	26427	18.562	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	8832	18.230	ug/l	99
67) Ethyl Benzene	10.195	91	45460	17.830	ug/l	99
68) m/p-Xylenes	10.299	106	32550	34.869	ug/l	91
69) o-Xylene	10.640	106	15177	16.924	ug/l	93
70) Styrene	10.652	104	26712	17.793	ug/l	97
71) Bromoform	10.799	173	7181	18.148	ug/l #	96
73) Isopropylbenzene	10.963	105	41570	17.840	ug/l	100
74) N-amyl acetate	10.841	43	21255	18.527	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	14400	18.255	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	12656m	19.162	ug/l	
77) Bromobenzene	11.195	156	10075	17.863	ug/l	92
78) n-propylbenzene	11.305	91	50333	17.519	ug/l	98
79) 2-Chlorotoluene	11.366	91	30164	18.196	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	34722	17.775	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	4496	17.221	ug/l	96
82) 4-Chlorotoluene	11.451	91	35522	17.084	ug/l	99
83) tert-Butylbenzene	11.713	119	33949	17.328	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	35106	17.857	ug/l	100
85) sec-Butylbenzene	11.890	105	43854	17.602	ug/l	99
86) p-Isopropyltoluene	12.006	119	37273	18.042	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	19376	17.990	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	19368	16.933	ug/l	98
89) n-Butylbenzene	12.329	91	35872	17.219	ug/l	97
90) Hexachloroethane	12.536	117	6458	17.952	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	18991	17.947	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	3694	18.755	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	13197	17.548	ug/l	95
94) Hexachlorobutadiene	13.725	225	4876	16.449	ug/l	97
95) Naphthalene	13.774	128	42684	17.940	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	12866	17.413	ug/l	98

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

