

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040424.D
 Acq On : 23 Feb 2024 12:19
 Operator : JC/MD
 Sample : VX0223WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0223WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/26/2024
 Supervised By : Mahesh Dadoda 02/26/2024

Quant Time: Feb 23 22:16:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022224W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 23 06:47:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	83177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142644	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63753	47.064	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.120%		
35) Dibromofluoromethane	5.385	113	44591	46.389	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.780%		
50) Toluene-d8	8.647	98	163430	47.069	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.140%		
62) 4-Bromofluorobenzene	11.079	95	61870	44.468	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20305	20.253	ug/l	93
3) Chloromethane	1.294	50	20479	18.069	ug/l	96
4) Vinyl Chloride	1.374	62	21623	19.128	ug/l	98
5) Bromomethane	1.605	94	14691	22.090	ug/l	94
6) Chloroethane	1.685	64	12393	18.190	ug/l	96
7) Trichlorofluoromethane	1.886	101	34037	18.872	ug/l	99
8) Diethyl Ether	2.130	74	11827	18.357	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	18655	19.574	ug/l	98
10) Methyl Iodide	2.453	142	21529	19.415	ug/l	96
11) Tert butyl alcohol	2.959	59	25883	98.848	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	17777	19.340	ug/l	93
13) Acrolein	2.233	56	30841	98.445	ug/l	95
14) Allyl chloride	2.660	41	32468	19.126	ug/l	94
15) Acrylonitrile	3.062	53	61065	99.471	ug/l	100
16) Acetone	2.380	43	63331	112.205	ug/l	96
17) Carbon Disulfide	2.514	76	46817	18.526	ug/l	99
18) Methyl Acetate	2.703	43	29264	20.016	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	63767	19.457	ug/l	99
20) Methylene Chloride	2.788	84	19929	16.863	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	19030	18.348	ug/l	96
22) Diisopropyl ether	3.757	45	64880	19.335	ug/l	98
23) Vinyl Acetate	3.721	43	303848	99.219	ug/l	100
24) 1,1-Dichloroethane	3.605	63	36633	18.878	ug/l	98
25) 2-Butanone	4.550	43	89826	102.080	ug/l	92
26) 2,2-Dichloropropane	4.477	77	28844	22.774	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	22375	19.359	ug/l	99
28) Bromochloromethane	4.898	49	15961	17.635	ug/l	98
29) Tetrahydrofuran	5.001	42	58068	99.131	ug/l	99
30) Chloroform	5.093	83	38399	18.361	ug/l	91
31) Cyclohexane	5.471	56	31748	19.549	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	32916	19.011	ug/l	98
36) 1,1-Dichloropropene	5.690	75	28835	19.383	ug/l	99
37) Ethyl Acetate	4.715	43	34266	20.161	ug/l	98
38) Carbon Tetrachloride	5.678	117	26431	19.204	ug/l	99
39) Methylcyclohexane	7.379	83	32709	20.747	ug/l	98
40) Benzene	6.038	78	79059	19.535	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	18596	20.605	ug/l	97
42) 1,2-Dichloroethane	6.086	62	33662	20.014	ug/l	100
43) Isopropyl Acetate	6.336	43	51824	19.872	ug/l	99
44) Trichloroethene	7.123	130	20373	19.248	ug/l	92
45) 1,2-Dichloropropane	7.434	63	21369	19.785	ug/l	97
46) Dibromomethane	7.580	93	15710	19.388	ug/l	99
47) Bromodichloromethane	7.818	83	29620	19.641	ug/l	100
48) Methyl methacrylate	7.690	41	26588	20.586	ug/l	93
49) 1,4-Dioxane	7.653	88	11220	430.998	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	179160	101.149	ug/l	99
52) Toluene	8.714	92	50049	20.180	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	30973	20.372	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	32641	20.153	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	21266	20.026	ug/l	99
56) Ethyl methacrylate	9.116	69	32920	20.288	ug/l	96
57) 1,3-Dichloropropane	9.305	76	36182	19.558	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	78685	96.712	ug/l	95
59) 2-Hexanone	9.427	43	142596	104.385	ug/l	99
60) Dibromochloromethane	9.519	129	21539	20.227	ug/l	98
61) 1,2-Dibromoethane	9.610	107	23021	20.169	ug/l	100
64) Tetrachloroethene	9.275	164	18294	18.632	ug/l	94
65) Chlorobenzene	10.079	112	53137	19.669	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19490	20.629	ug/l	98
67) Ethyl Benzene	10.195	91	99775	19.687	ug/l	96
68) m/p-Xylenes	10.299	106	74337	40.226	ug/l	96
69) o-Xylene	10.640	106	34870	19.090	ug/l	91
70) Styrene	10.653	104	59722	19.834	ug/l	99
71) Bromoform	10.799	173	14995	19.632	ug/l #	98
73) Isopropylbenzene	10.963	105	97167	20.457	ug/l	99
74) N-amyl acetate	10.842	43	44735	20.299	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	34935	20.575	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30074m	20.147	ug/l	
77) Bromobenzene	11.195	156	22778	19.626	ug/l	98
78) n-propylbenzene	11.305	91	118438	20.187	ug/l	98
79) 2-Chlorotoluene	11.366	91	69303	19.792	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	83550	20.705	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	8754	20.406	ug/l	97
82) 4-Chlorotoluene	11.451	91	82708	20.154	ug/l	100
83) tert-Butylbenzene	11.713	119	76654	20.153	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	82511	20.265	ug/l	98
85) sec-Butylbenzene	11.890	105	102192	20.182	ug/l	99
86) p-Isopropyltoluene	12.012	119	84337	20.846	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	43646	19.662	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	43613	18.951	ug/l	98
89) n-Butylbenzene	12.335	91	79464	19.963	ug/l	97
90) Hexachloroethane	12.536	117	12907	19.921	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	43629	20.325	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8578	22.153	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	27777	20.100	ug/l	98
94) Hexachlorobutadiene	13.725	225	10577	21.132	ug/l	99
95) Naphthalene	13.774	128	92152	20.780	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	26980	20.277	ug/l	97

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

