

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011224\
 Data File : VX039731.D
 Acq On : 12 Jan 2024 12:58
 Operator : JC/MD
 Sample : VX0112WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0112WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/15/2024
 Supervised By : Mahesh Dadoda 01/15/2024

Quant Time: Jan 12 22:36:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	96899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72192	44.475	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.960%		
35) Dibromofluoromethane	5.385	113	53037	47.080	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.160%		
50) Toluene-d8	8.647	98	199994	47.071	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.140%		
62) 4-Bromofluorobenzene	11.079	95	75035	45.161	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23080	18.409	ug/l	98
3) Chloromethane	1.295	50	24742	17.281	ug/l	99
4) Vinyl Chloride	1.374	62	23875	17.669	ug/l	99
5) Bromomethane	1.599	94	13399	17.379	ug/l	95
6) Chloroethane	1.666	64	11814	15.380	ug/l	100
7) Trichlorofluoromethane	1.874	101	36108	18.524	ug/l	95
8) Diethyl Ether	2.136	74	14232	19.757	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.319	101	22483	18.605	ug/l	98
10) Methyl Iodide	2.447	142	24553	19.259	ug/l	95
11) Tert butyl alcohol	3.002	59	36893	87.314	ug/l #	93
12) 1,1-Dichloroethene	2.313	96	21542	18.471	ug/l	88
13) Acrolein	2.239	56	24076	82.403	ug/l	99
14) Allyl chloride	2.660	41	39589	17.247	ug/l	97
15) Acrylonitrile	3.062	53	80352	92.062	ug/l	97
16) Acetone	2.380	43	76933	84.275	ug/l	92
17) Carbon Disulfide	2.502	76	52771	15.743	ug/l	96
18) Methyl Acetate	2.703	43	37075	19.413	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	78844	19.043	ug/l	99
20) Methylene Chloride	2.788	84	25661	18.584	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	22208	18.095	ug/l	99
22) Diisopropyl ether	3.757	45	83517	19.066	ug/l	99
23) Vinyl Acetate	3.715	43	383789	94.254	ug/l	99
24) 1,1-Dichloroethane	3.605	63	44803	18.592	ug/l	98
25) 2-Butanone	4.556	43	119596	91.165	ug/l	97
26) 2,2-Dichloropropane	4.471	77	34602	17.890	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	27128	19.272	ug/l	95
28) Bromochloromethane	4.898	49	20519	18.784	ug/l	99
29) Tetrahydrofuran	5.001	42	78570	93.051	ug/l	99
30) Chloroform	5.093	83	45254	19.023	ug/l	100
31) Cyclohexane	5.464	56	38775	18.100	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	36475	17.909	ug/l	99
36) 1,1-Dichloropropene	5.690	75	32333	18.439	ug/l	99
37) Ethyl Acetate	4.709	43	43867	18.752	ug/l	98
38) Carbon Tetrachloride	5.672	117	29080	18.107	ug/l	93
39) Methylcyclohexane	7.379	83	40652	19.306	ug/l	96
40) Benzene	6.031	78	97811	19.699	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	22360	19.546	ug/l	93
42) 1,2-Dichloroethane	6.086	62	38112	20.189	ug/l	98
43) Isopropyl Acetate	6.336	43	67277	19.605	ug/l	100
44) Trichloroethene	7.123	130	23142	19.018	ug/l	98
45) 1,2-Dichloropropane	7.428	63	27163	20.393	ug/l	100
46) Dibromomethane	7.580	93	18025	19.593	ug/l	99
47) Bromodichloromethane	7.818	83	31591	18.541	ug/l	99
48) Methyl methacrylate	7.690	41	32287	19.141	ug/l	94
49) 1,4-Dioxane	7.665	88	13914	426.307	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	238564	100.940	ug/l	98
52) Toluene	8.714	92	59944	20.212	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	34039	18.827	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	38024	19.126	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	25449	20.155	ug/l	97
56) Ethyl methacrylate	9.116	69	41603	20.358	ug/l	99
57) 1,3-Dichloropropane	9.305	76	43720	20.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	91357	94.576	ug/l	95
59) 2-Hexanone	9.433	43	188791	100.930	ug/l	100
60) Dibromochloromethane	9.519	129	23072	19.376	ug/l	99
61) 1,2-Dibromoethane	9.610	107	26442	20.222	ug/l	98
64) Tetrachloroethene	9.269	164	19133	19.508	ug/l	93
65) Chlorobenzene	10.080	112	62686	19.956	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	21229	19.847	ug/l	98
67) Ethyl Benzene	10.195	91	115189	19.751	ug/l	98
68) m/p-Xylenes	10.299	106	85767	39.988	ug/l	97
69) o-Xylene	10.640	106	42325	19.927	ug/l	95
70) Styrene	10.653	104	69332	19.982	ug/l	99
71) Bromoform	10.799	173	15403	19.178	ug/l #	100
73) Isopropylbenzene	10.964	105	112377	20.054	ug/l	99
74) N-amyl acetate	10.842	43	58537	20.040	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	44555	20.822	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	35873m	19.659	ug/l	
77) Bromobenzene	11.195	156	25757	20.644	ug/l	98
78) n-propylbenzene	11.305	91	131538	19.394	ug/l	98
79) 2-Chlorotoluene	11.366	91	79115	18.873	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	95213	20.006	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	10331	18.650	ug/l	98
82) 4-Chlorotoluene	11.451	91	91289	19.199	ug/l	100
83) tert-Butylbenzene	11.713	119	93048	20.478	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	95247	20.060	ug/l	100
85) sec-Butylbenzene	11.890	105	116320	19.721	ug/l	100
86) p-Isopropyltoluene	12.006	119	93974	19.935	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	47617	19.909	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	46267	18.730	ug/l	97
89) n-Butylbenzene	12.335	91	81964	18.002	ug/l	97
90) Hexachloroethane	12.536	117	13936	17.523	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	48175	20.374	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9113	17.380	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	26219	18.145	ug/l	99
94) Hexachlorobutadiene	13.725	225	11692	19.465	ug/l	98
95) Naphthalene	13.774	128	101872	19.151	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	28298	19.404	ug/l	100

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

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