

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081424\
 Data File : VX043033.D
 Acq On : 14 Aug 2024 15:55
 Operator : JC/MD
 Sample : VX0814WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0814WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/15/2024
 Supervised By : Mahesh Dadoda 08/15/2024

Quant Time: Aug 15 04:34:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 04:22:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	124105	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	218919	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80379	49.290	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.580%		
35) Dibromofluoromethane	5.385	113	68180	50.343	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.680%		
50) Toluene-d8	8.647	98	260169	49.765	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.540%		
62) 4-Bromofluorobenzene	11.079	95	90149	47.556	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.120%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	25117	20.018	ug/l	95
3) Chloromethane	1.301	50	35565	19.148	ug/l	99
4) Vinyl Chloride	1.374	62	36063	19.331	ug/l	100
5) Bromomethane	1.593	94	12008	21.242	ug/l	96
6) Chloroethane	1.666	64	13200	22.450	ug/l	98
7) Trichlorofluoromethane	1.868	101	42359	21.716	ug/l	99
8) Diethyl Ether	2.136	74	18160	20.125	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	26902	19.285	ug/l	99
10) Methyl Iodide	2.441	142	29167	18.675	ug/l	# 87
11) Tert butyl alcohol	2.995	59	43242	102.774	ug/l	# 95
12) 1,1-Dichloroethene	2.306	96	27945	18.668	ug/l	87
13) Acrolein	2.239	56	38693	90.966	ug/l	97
14) Allyl chloride	2.654	41	52336	18.654	ug/l	88
15) Acrylonitrile	3.069	53	103434	99.253	ug/l	96
16) Acetone	2.392	43	79713	98.555	ug/l	# 87
17) Carbon Disulfide	2.502	76	79449	18.507	ug/l	100
18) Methyl Acetate	2.709	43	53154	19.887	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	96728	19.173	ug/l	99
20) Methylene Chloride	2.782	84	32735	17.502	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	29410	18.839	ug/l	89
22) Diisopropyl ether	3.764	45	109208	19.062	ug/l	98
23) Vinyl Acetate	3.721	43	647375	96.927	ug/l	99
24) 1,1-Dichloroethane	3.605	63	54217	18.763	ug/l	96
25) 2-Butanone	4.568	43	139036	98.059	ug/l	97
26) 2,2-Dichloropropane	4.471	77	42324	18.386	ug/l	93
27) cis-1,2-Dichloroethene	4.483	96	35418	18.796	ug/l	89
28) Bromochloromethane	4.897	49	24716	18.908	ug/l	98
29) Tetrahydrofuran	5.013	42	95144	96.816	ug/l	99
30) Chloroform	5.086	83	52461	18.900	ug/l	97
31) Cyclohexane	5.458	56	50136	18.448	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	44279	19.109	ug/l	98
36) 1,1-Dichloropropene	5.690	75	36167	19.223	ug/l	96
37) Ethyl Acetate	4.721	43	54845	20.693	ug/l	98
38) Carbon Tetrachloride	5.672	117	37229	19.569	ug/l	98
39) Methylcyclohexane	7.373	83	52226	20.050	ug/l	94
40) Benzene	6.038	78	123439	19.258	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	27562	19.731	ug/l	92
42) 1,2-Dichloroethane	6.086	62	37885	20.319	ug/l	93
43) Isopropyl Acetate	6.348	43	84913	19.856	ug/l	97
44) Trichloroethene	7.129	130	29277	20.170	ug/l	87
45) 1,2-Dichloropropane	7.428	63	31434	19.927	ug/l	100
46) Dibromomethane	7.580	93	21336	19.782	ug/l	96
47) Bromodichloromethane	7.824	83	41221	19.684	ug/l	98
48) Methyl methacrylate	7.696	41	39043	19.402	ug/l	89
49) 1,4-Dioxane	7.671	88	17008	407.320	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	272001	100.085	ug/l	98
52) Toluene	8.714	92	75427	19.480	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	44162	19.311	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	48555	19.304	ug/l	89
55) 1,1,2-Trichloroethane	9.153	97	29868	19.639	ug/l	96
56) Ethyl methacrylate	9.116	69	54117	19.650	ug/l	93
57) 1,3-Dichloropropane	9.311	76	50776	19.700	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	120473	93.221	ug/l	99
59) 2-Hexanone	9.433	43	210789	100.933	ug/l	95
60) Dibromochloromethane	9.519	129	31815	19.839	ug/l	98
61) 1,2-Dibromoethane	9.610	107	31234	20.365	ug/l	99
64) Tetrachloroethene	9.275	164	24723	20.247	ug/l	97
65) Chlorobenzene	10.079	112	80847	19.806	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	26510	19.273	ug/l	96
67) Ethyl Benzene	10.195	91	136721	19.274	ug/l	98
68) m/p-Xylenes	10.299	106	107998	39.593	ug/l	92
69) o-Xylene	10.640	106	53879	19.662	ug/l	95
70) Styrene	10.659	104	89984	19.586	ug/l	95
71) Bromoform	10.799	173	21710	19.005	ug/l #	100
73) Isopropylbenzene	10.963	105	132560	19.755	ug/l	98
74) N-amyl acetate	10.842	43	73058	19.115	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	49091	19.006	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	37963m	18.830	ug/l	
77) Bromobenzene	11.201	156	31893	19.784	ug/l	93
78) n-propylbenzene	11.305	91	149102	19.497	ug/l	98
79) 2-Chlorotoluene	11.366	91	91472	19.219	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	109009	19.720	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	16869	18.251	ug/l #	82
82) 4-Chlorotoluene	11.457	91	100813	19.008	ug/l	94
83) tert-Butylbenzene	11.713	119	112395	19.646	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	109822	19.693	ug/l	94
85) sec-Butylbenzene	11.890	105	138475	19.939	ug/l	99
86) p-Isopropyltoluene	12.012	119	113010	19.917	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	56450	19.475	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	57137	19.265	ug/l	97
89) n-Butylbenzene	12.335	91	94213	19.181	ug/l	98
90) Hexachloroethane	12.536	117	21869	19.190	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	58186	19.909	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9908	19.608	ug/l	75
93) 1,2,4-Trichlorobenzene	13.591	180	33460	20.341	ug/l	94
94) Hexachlorobutadiene	13.725	225	12862	20.953	ug/l	98
95) Naphthalene	13.774	128	127657	19.650	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	33556	19.944	ug/l	98

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

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