

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
 Data File : VX042004.D
 Acq On : 24 Jun 2024 15:04
 Operator : JC/MD
 Sample : VX0624WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2024
 Supervised By : Mahesh Dadoda 06/25/2024

Quant Time: Jun 25 06:15:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	165630	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	236590	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218768	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91434	47.873	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.740%		
35) Dibromofluoromethane	5.385	113	82698	49.262	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.520%		
50) Toluene-d8	8.647	98	291861	49.489	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.980%		
62) 4-Bromofluorobenzene	11.079	95	112029	51.532	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.060%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	22596	17.907	ug/l	96
3) Chloromethane	1.300	50	27207	17.187	ug/l	100
4) Vinyl Chloride	1.374	62	27434	17.289	ug/l	97
5) Bromomethane	1.593	94	14293	18.241	ug/l	96
6) Chloroethane	1.666	64	14329	19.866	ug/l	99
7) Trichlorofluoromethane	1.867	101	41588	20.004	ug/l	96
8) Diethyl Ether	2.136	74	19500	19.982	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.312	101	28909	20.186	ug/l	87
10) Methyl Iodide	2.440	142	32285	18.137	ug/l	89
11) Tert butyl alcohol	3.001	59	31981	88.230	ug/l	# 88
12) 1,1-Dichloroethene	2.306	96	26722	18.706	ug/l	83
13) Acrolein	2.239	56	39162	96.384	ug/l	98
14) Allyl chloride	2.660	41	43018	18.987	ug/l	89
15) Acrylonitrile	3.068	53	100186	105.818	ug/l	98
16) Acetone	2.392	43	80918	96.486	ug/l	90
17) Carbon Disulfide	2.501	76	43585	14.963	ug/l	97
18) Methyl Acetate	2.709	43	54147	23.668	ug/l	93
19) Methyl tert-butyl Ether	3.123	73	99846	21.156	ug/l	99
20) Methylene Chloride	2.782	84	34067	18.551	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	27178	18.745	ug/l	89
22) Diisopropyl ether	3.763	45	97967	20.457	ug/l	93
23) Vinyl Acetate	3.721	43	415617	101.622	ug/l	96
24) 1,1-Dichloroethane	3.605	63	53589	19.982	ug/l	96
25) 2-Butanone	4.568	43	137577	105.445	ug/l	91
26) 2,2-Dichloropropane	4.471	77	36068	18.572	ug/l	92
27) cis-1,2-Dichloroethene	4.483	96	36461	20.079	ug/l	85
28) Bromochloromethane	4.897	49	23345	20.323	ug/l	# 77
29) Tetrahydrofuran	5.013	42	88532	105.065	ug/l	94
30) Chloroform	5.092	83	56922	20.373	ug/l	98
31) Cyclohexane	5.464	56	40221	18.007	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	46439	19.891	ug/l	96
36) 1,1-Dichloropropene	5.690	75	34317	19.251	ug/l	95
37) Ethyl Acetate	4.720	43	50108	21.578	ug/l	99
38) Carbon Tetrachloride	5.672	117	38590	19.593	ug/l	94
39) Methylcyclohexane	7.379	83	43179	19.153	ug/l	91
40) Benzene	6.037	78	120048	19.967	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	27618	21.940	ug/l	90
42) 1,2-Dichloroethane	6.086	62	41214	21.281	ug/l	93
43) Isopropyl Acetate	6.348	43	73751	20.691	ug/l #	94
44) Trichloroethene	7.129	130	32321	20.055	ug/l	84
45) 1,2-Dichloropropane	7.427	63	31188	21.097	ug/l	98
46) Dibromomethane	7.580	93	22197	20.607	ug/l #	76
47) Bromodichloromethane	7.824	83	40173	20.314	ug/l	97
48) Methyl methacrylate	7.696	41	36828	21.649	ug/l	86
49) 1,4-Dioxane	7.671	88	12491	291.909	ug/l #	100
51) 4-Methyl-2-Pentanone	8.573	43	270862	110.317	ug/l	96
52) Toluene	8.720	92	78179	20.420	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	38761	19.384	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	44457	20.533	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	34464	21.609	ug/l	98
56) Ethyl methacrylate	9.116	69	51043	20.572	ug/l	91
57) 1,3-Dichloropropane	9.311	76	55484	21.533	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	125801	108.799	ug/l	93
59) 2-Hexanone	9.433	43	207291	110.229	ug/l	93
60) Dibromochloromethane	9.518	129	35039	20.225	ug/l	100
61) 1,2-Dibromoethane	9.610	107	35119	21.232	ug/l	99
64) Tetrachloroethene	9.275	164	31792	19.959	ug/l	90
65) Chlorobenzene	10.079	112	90970	19.994	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	31999	20.088	ug/l	97
67) Ethyl Benzene	10.195	91	142810	20.029	ug/l	97
68) m/p-Xylenes	10.299	106	116068	40.325	ug/l	91
69) o-Xylene	10.640	106	57976	20.345	ug/l	92
70) Styrene	10.652	104	97472	20.398	ug/l	94
71) Bromoform	10.799	173	27663	19.036	ug/l #	99
73) Isopropylbenzene	10.963	105	149894	21.011	ug/l	97
74) N-amyl acetate	10.841	43	63722	20.108	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	56252	21.206	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	44008m	20.661	ug/l	
77) Bromobenzene	11.195	156	42940	20.209	ug/l	79
78) n-propylbenzene	11.305	91	158567	20.485	ug/l	96
79) 2-Chlorotoluene	11.366	91	103154	20.683	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	124225	20.905	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	13636	18.181	ug/l	94
82) 4-Chlorotoluene	11.457	91	113520	20.590	ug/l	91
83) tert-Butylbenzene	11.713	119	133577	20.487	ug/l	90
84) 1,2,4-Trimethylbenzene	11.750	105	126063	21.146	ug/l	92
85) sec-Butylbenzene	11.890	105	156848	21.268	ug/l	96
86) p-Isopropyltoluene	12.012	119	134445	20.869	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	77295	20.697	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	77268	20.165	ug/l	95
89) n-Butylbenzene	12.335	91	100548	20.275	ug/l	97
90) Hexachloroethane	12.536	117	21309	19.428	ug/l	61
91) 1,2-Dichlorobenzene	12.335	146	80239	20.996	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	11289	21.475	ug/l #	55
93) 1,2,4-Trichlorobenzene	13.591	180	53108	21.214	ug/l	93
94) Hexachlorobutadiene	13.725	225	26051	20.579	ug/l	99
95) Naphthalene	13.774	128	166065	20.194	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	56239	21.300	ug/l	95

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

