

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061924\
 Data File : VX041939.D
 Acq On : 19 Jun 2024 11:31
 Operator : JC/MD
 Sample : VX0619WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2024
 Supervised By : Mahesh Dadoda 06/20/2024

Quant Time: Jun 20 00:56:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 19 07:57:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	179052	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	265255	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98117	47.521	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.040%		
35) Dibromofluoromethane	5.391	113	88168	46.845	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.700%		
50) Toluene-d8	8.647	98	309281	46.776	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.560%		
62) 4-Bromofluorobenzene	11.079	95	112965	46.348	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.700%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	27143	19.898	ug/l	95
3) Chloromethane	1.301	50	33017	19.294	ug/l	99
4) Vinyl Chloride	1.374	62	33742	19.670	ug/l	98
5) Bromomethane	1.593	94	16369	19.324	ug/l	91
6) Chloroethane	1.666	64	16484	21.351	ug/l	95
7) Trichlorofluoromethane	1.868	101	49785	22.151	ug/l	100
8) Diethyl Ether	2.136	74	21517	20.396	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.313	101	31289	20.210	ug/l	86
10) Methyl Iodide	2.441	142	38251	19.878	ug/l	# 87
11) Tert butyl alcohol	3.001	59	38512	98.284	ug/l	# 94
12) 1,1-Dichloroethene	2.306	96	30716	19.890	ug/l	82
13) Acrolein	2.239	56	41366	94.176	ug/l	99
14) Allyl chloride	2.654	41	49754	20.314	ug/l	90
15) Acrylonitrile	3.075	53	108664	106.169	ug/l	98
16) Acetone	2.392	43	94448	104.177	ug/l	# 88
17) Carbon Disulfide	2.502	76	53802	17.086	ug/l	100
18) Methyl Acetate	2.709	43	55992	22.640	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	106585	20.891	ug/l	100
20) Methylene Chloride	2.782	84	37291	18.785	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	31049	19.810	ug/l	85
22) Diisopropyl ether	3.770	45	109824	21.214	ug/l	88
23) Vinyl Acetate	3.727	43	464437	105.046	ug/l	95
24) 1,1-Dichloroethane	3.611	63	59902	20.662	ug/l	98
25) 2-Butanone	4.574	43	150896	106.983	ug/l	93
26) 2,2-Dichloropropane	4.471	77	43347	20.647	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	40065	20.410	ug/l	87
28) Bromochloromethane	4.897	49	28352	22.832	ug/l	# 77
29) Tetrahydrofuran	5.019	42	97853	107.422	ug/l	96
30) Chloroform	5.099	83	62906	20.827	ug/l	95
31) Cyclohexane	5.464	56	45799	18.967	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	52189	20.678	ug/l	96
36) 1,1-Dichloropropene	5.690	75	38367	19.197	ug/l	92
37) Ethyl Acetate	4.733	43	55102	21.164	ug/l	97
38) Carbon Tetrachloride	5.672	117	43633	19.759	ug/l	97
39) Methylcyclohexane	7.379	83	47353	18.734	ug/l	92
40) Benzene	6.037	78	137006	20.325	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	30052	21.294	ug/l	92
42) 1,2-Dichloroethane	6.092	62	45755	21.073	ug/l	92
43) Isopropyl Acetate	6.348	43	80216	20.073	ug/l	95
44) Trichloroethene	7.129	130	36479	20.189	ug/l	90
45) 1,2-Dichloropropane	7.434	63	33645	20.299	ug/l	98
46) Dibromomethane	7.586	93	24297	20.119	ug/l #	76
47) Bromodichloromethane	7.824	83	44458	20.051	ug/l	97
48) Methyl methacrylate	7.702	41	39682	20.806	ug/l	87
49) 1,4-Dioxane	7.671	88	20178	411.806	ug/l #	86
51) 4-Methyl-2-Pentanone	8.580	43	294715	107.060	ug/l	96
52) Toluene	8.720	92	87298	20.338	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	43124	19.244	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	49020	20.194	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	37472	20.956	ug/l	93
56) Ethyl methacrylate	9.122	69	57319	20.605	ug/l #	89
57) 1,3-Dichloropropane	9.311	76	59944	20.749	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	131862	101.717	ug/l	95
59) 2-Hexanone	9.433	43	226586	107.468	ug/l	93
60) Dibromochloromethane	9.525	129	38457	19.799	ug/l	99
61) 1,2-Dibromoethane	9.610	107	38589	20.809	ug/l	99
64) Tetrachloroethene	9.275	164	34345	20.099	ug/l	90
65) Chlorobenzene	10.079	112	101143	20.721	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	35764	20.927	ug/l	100
67) Ethyl Benzene	10.195	91	159412	20.839	ug/l	99
68) m/p-Xylenes	10.305	106	129110	41.811	ug/l	91
69) o-Xylene	10.640	106	64099	20.967	ug/l	93
70) Styrene	10.659	104	109096	21.281	ug/l	94
71) Bromoform	10.799	173	30226	19.366	ug/l #	100
73) Isopropylbenzene	10.963	105	165878	21.809	ug/l	97
74) N-amyl acetate	10.842	43	70585	20.892	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	61256	21.660	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	47444m	20.893	ug/l	
77) Bromobenzene	11.195	156	48152	21.257	ug/l	78
78) n-propylbenzene	11.305	91	177044	21.453	ug/l	96
79) 2-Chlorotoluene	11.366	91	114319	21.501	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	136078	21.480	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	15634	19.552	ug/l	95
82) 4-Chlorotoluene	11.457	91	128985	21.945	ug/l	93
83) tert-Butylbenzene	11.713	119	149935	21.569	ug/l	90
84) 1,2,4-Trimethylbenzene	11.750	105	140875	22.165	ug/l	95
85) sec-Butylbenzene	11.890	105	172027	21.880	ug/l	96
86) p-Isopropyltoluene	12.012	119	148891	21.678	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	83933	21.080	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	85168	20.896	ug/l	96
89) n-Butylbenzene	12.335	91	109312	20.676	ug/l	98
90) Hexachloroethane	12.536	117	23492	20.090	ug/l	60
91) 1,2-Dichlorobenzene	12.335	146	88950	21.832	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	12240	21.840	ug/l #	53
93) 1,2,4-Trichlorobenzene	13.585	180	55550	20.813	ug/l	95
94) Hexachlorobutadiene	13.725	225	28271	20.948	ug/l	98
95) Naphthalene	13.774	128	177665	20.262	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	59265	21.054	ug/l	96

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

