

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021924\
 Data File : VX040321.D
 Acq On : 19 Feb 2024 11:26
 Operator : JC/MD
 Sample : VX0219WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0219WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/20/2024
 Supervised By : Mahesh Dadoda 02/20/2024

Quant Time: Feb 20 01:10:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	90267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154264	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70020	52.141	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.280%			
35) Dibromofluoromethane	5.385	113	53508	49.669	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.340%			
50) Toluene-d8	8.647	98	196456	48.750	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.500%			
62) 4-Bromofluorobenzene	11.079	95	76158	46.338	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	19511	19.135	ug/l	96
3) Chloromethane	1.295	50	20024	19.044	ug/l	96
4) Vinyl Chloride	1.374	62	20496	18.446	ug/l	95
5) Bromomethane	1.605	94	14492	23.112	ug/l	97
6) Chloroethane	1.691	64	12761	18.210	ug/l	97
7) Trichlorofluoromethane	1.892	101	32339	18.123	ug/l	94
8) Diethyl Ether	2.130	74	11794	17.595	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	18900	19.746	ug/l	98
10) Methyl Iodide	2.453	142	20947	19.712	ug/l	91
11) Tert butyl alcohol	2.953	59	22682	86.712	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	17309	18.782	ug/l	97
13) Acrolein	2.233	56	19994	82.812	ug/l	98
14) Allyl chloride	2.666	41	33420	20.896	ug/l	97
15) Acrylonitrile	3.062	53	63402	108.329	ug/l	100
16) Acetone	2.374	43	64530	116.999	ug/l	98
17) Carbon Disulfide	2.514	76	41411	17.020	ug/l	99
18) Methyl Acetate	2.703	43	28131	19.026	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	64843	19.972	ug/l	97
20) Methylene Chloride	2.788	84	22602	20.932	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	19158	18.253	ug/l	99
22) Diisopropyl ether	3.757	45	70674	21.789	ug/l	100
23) Vinyl Acetate	3.721	43	308519	106.700	ug/l	100
24) 1,1-Dichloroethane	3.611	63	37968	20.096	ug/l	99
25) 2-Butanone	4.550	43	92162	106.900	ug/l	100
26) 2,2-Dichloropropane	4.477	77	28439	19.553	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	23011	19.218	ug/l	99
28) Bromochloromethane	4.891	49	18588	23.172	ug/l #	16
29) Tetrahydrofuran	5.001	42	58015	103.289	ug/l	98
30) Chloroform	5.099	83	40619	19.884	ug/l	93
31) Cyclohexane	5.471	56	30606	19.108	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	33084	19.252	ug/l	98
36) 1,1-Dichloropropene	5.696	75	29238	19.374	ug/l	98
37) Ethyl Acetate	4.709	43	34163	20.345	ug/l	99
38) Carbon Tetrachloride	5.678	117	25722	17.926	ug/l	95
39) Methylcyclohexane	7.379	83	30981	17.665	ug/l	97
40) Benzene	6.038	78	81423	19.294	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	18942	21.279	ug/l	98
42) 1,2-Dichloroethane	6.086	62	33482	20.298	ug/l	100
43) Isopropyl Acetate	6.336	43	52897	20.180	ug/l	98
44) Trichloroethene	7.123	130	21604	18.559	ug/l	95
45) 1,2-Dichloropropane	7.428	63	22460	20.447	ug/l	100
46) Dibromomethane	7.580	93	16166	19.983	ug/l	98
47) Bromodichloromethane	7.824	83	31148	19.982	ug/l	97
48) Methyl methacrylate	7.690	41	25827	19.256	ug/l	94
49) 1,4-Dioxane	7.653	88	10336	354.230	ug/l #	100
51) 4-Methyl-2-Pentanone	8.568	43	183602	102.590	ug/l	99
52) Toluene	8.714	92	51330	18.569	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	30501	17.601	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	34512	19.756	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	22282	18.899	ug/l	91
56) Ethyl methacrylate	9.116	69	32882	18.630	ug/l	96
57) 1,3-Dichloropropane	9.305	76	37683	19.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	81229	97.286	ug/l	95
59) 2-Hexanone	9.427	43	145408	102.477	ug/l	100
60) Dibromochloromethane	9.519	129	21998	18.314	ug/l	98
61) 1,2-Dibromoethane	9.610	107	22534	17.981	ug/l	98
64) Tetrachloroethene	9.269	164	18751	18.541	ug/l	94
65) Chlorobenzene	10.080	112	56072	18.617	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19471	18.665	ug/l	98
67) Ethyl Benzene	10.189	91	104621	19.503	ug/l	96
68) m/p-Xylenes	10.299	106	77780	38.392	ug/l	100
69) o-Xylene	10.640	106	36798	18.691	ug/l	93
70) Styrene	10.653	104	63276	19.332	ug/l	99
71) Bromoform	10.793	173	15610	17.267	ug/l #	98
73) Isopropylbenzene	10.964	105	100162	18.802	ug/l	100
74) N-amyl acetate	10.842	43	44931	19.677	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	37628	19.660	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30689m	20.037	ug/l	
77) Bromobenzene	11.195	156	24114	19.165	ug/l	98
78) n-propylbenzene	11.305	91	123647	19.172	ug/l	99
79) 2-Chlorotoluene	11.360	91	72344	18.576	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	86221	19.225	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8374	17.813	ug/l	94
82) 4-Chlorotoluene	11.451	91	85341	18.495	ug/l	98
83) tert-Butylbenzene	11.713	119	81660	18.572	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	85400	18.822	ug/l	99
85) sec-Butylbenzene	11.890	105	106584	18.862	ug/l	100
86) p-Isopropyltoluene	12.006	119	85966	18.559	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	46286	18.567	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	47627	18.042	ug/l	99
89) n-Butylbenzene	12.329	91	84624	18.926	ug/l	96
90) Hexachloroethane	12.536	117	12961	17.739	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	44983	18.639	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7886	17.853	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	29709	17.981	ug/l	95
94) Hexachlorobutadiene	13.725	225	11185	16.962	ug/l	99
95) Naphthalene	13.774	128	96457	18.484	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	28956	18.386	ug/l	98

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

