

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021224\
 Data File : VX040194.D
 Acq On : 12 Feb 2024 13:09
 Operator : JC/MD
 Sample : VX0212WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2024
 Supervised By : Semsettin Yesilyurt 02/13/2024

Quant Time: Feb 12 14:23:38 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	81229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58327	48.266	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.540%		
35) Dibromofluoromethane	5.385	113	43720	46.652	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.300%		
50) Toluene-d8	8.647	98	166942	47.621	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.240%		
62) 4-Bromofluorobenzene	11.079	95	67163	46.976	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	18025	19.645	ug/l	100
3) Chloromethane	1.294	50	16848	17.806	ug/l	99
4) Vinyl Chloride	1.374	62	18491	18.493	ug/l	95
5) Bromomethane	1.605	94	13706	24.291	ug/l	97
6) Chloroethane	1.684	64	11173	17.718	ug/l	98
7) Trichlorofluoromethane	1.886	101	30157	18.781	ug/l	99
8) Diethyl Ether	2.136	74	11358	18.830	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.325	101	17153	19.914	ug/l	93
10) Methyl Iodide	2.453	142	18410	19.252	ug/l	94
11) Tert butyl alcohol	2.953	59	25604	108.774	ug/l #	89
12) 1,1-Dichloroethene	2.318	96	15553	18.754	ug/l	86
13) Acrolein	2.233	56	21712	99.933	ug/l	98
14) Allyl chloride	2.660	41	26503	18.415	ug/l	94
15) Acrylonitrile	3.062	53	54759	103.971	ug/l	99
16) Acetone	2.373	43	50580	101.910	ug/l	99
17) Carbon Disulfide	2.507	76	37451	17.105	ug/l	99
18) Methyl Acetate	2.703	43	24987	18.780	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	58285	19.949	ug/l	100
20) Methylene Chloride	2.788	84	18343	18.717	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	17115	18.121	ug/l	95
22) Diisopropyl ether	3.757	45	56482	19.351	ug/l #	96
23) Vinyl Acetate	3.721	43	258313	99.276	ug/l	98
24) 1,1-Dichloroethane	3.611	63	32077	18.867	ug/l	96
25) 2-Butanone	4.550	43	79082	101.934	ug/l	98
26) 2,2-Dichloropropane	4.477	77	23552	17.995	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	19963	18.527	ug/l	94
28) Bromochloromethane	4.891	49	14699	20.363	ug/l	93
29) Tetrahydrofuran	5.001	42	51072	101.045	ug/l	93
30) Chloroform	5.098	83	34071	18.535	ug/l	96
31) Cyclohexane	5.470	56	27026	18.750	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	29991	19.394	ug/l	98
36) 1,1-Dichloropropene	5.690	75	24841	18.922	ug/l	97
37) Ethyl Acetate	4.714	43	29321	20.073	ug/l	98
38) Carbon Tetrachloride	5.672	117	22909	18.353	ug/l	91
39) Methylcyclohexane	7.379	83	29097	19.072	ug/l	94
40) Benzene	6.037	78	69391	18.902	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	15703	20.278	ug/l	91
42) 1,2-Dichloroethane	6.086	62	29075	20.262	ug/l	99
43) Isopropyl Acetate	6.336	43	46409	20.352	ug/l	98
44) Trichloroethene	7.129	130	18563	18.331	ug/l	99
45) 1,2-Dichloropropane	7.427	63	18706	19.576	ug/l	97
46) Dibromomethane	7.580	93	13806	19.618	ug/l	94
47) Bromodichloromethane	7.824	83	25630	18.901	ug/l	97
48) Methyl methacrylate	7.689	41	23421	20.073	ug/l	93
49) 1,4-Dioxane	7.659	88	11403	449.235	ug/l #	91
51) 4-Methyl-2-Pentanone	8.573	43	162947	104.664	ug/l	100
52) Toluene	8.714	92	45963	19.114	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	26982	17.866	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	28480	18.740	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	19741	19.248	ug/l	98
56) Ethyl methacrylate	9.116	69	30245	19.698	ug/l	99
57) 1,3-Dichloropropane	9.305	76	32999	19.712	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	76259	104.991	ug/l	98
59) 2-Hexanone	9.427	43	126918	102.821	ug/l	98
60) Dibromochloromethane	9.518	129	19636	18.792	ug/l	97
61) 1,2-Dibromoethane	9.610	107	21692	19.898	ug/l	100
64) Tetrachloroethene	9.275	164	17150	19.368	ug/l	96
65) Chlorobenzene	10.079	112	49343	18.710	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.159	131	18344	20.084	ug/l	97
67) Ethyl Benzene	10.195	91	91804	19.546	ug/l	99
68) m/p-Xylenes	10.299	106	69645	39.261	ug/l	95
69) o-Xylene	10.640	106	33853	19.639	ug/l	95
70) Styrene	10.652	104	57423	20.036	ug/l	99
71) Bromoform	10.799	173	14369	18.048	ug/l #	97
73) Isopropylbenzene	10.963	105	93027	19.166	ug/l	98
74) N-amyl acetate	10.841	43	40922	19.669	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	33811	19.389	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	31175m	22.340	ug/l	
77) Bromobenzene	11.195	156	22256	19.414	ug/l	95
78) n-propylbenzene	11.305	91	111879	19.039	ug/l	100
79) 2-Chlorotoluene	11.366	91	66312	18.688	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	80672	19.742	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	7899	18.316	ug/l	97
82) 4-Chlorotoluene	11.451	91	78191	18.598	ug/l	100
83) tert-Butylbenzene	11.713	119	75294	18.795	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	79954	19.340	ug/l	100
85) sec-Butylbenzene	11.890	105	97782	18.992	ug/l	99
86) p-Isopropyltoluene	12.006	119	82215	19.481	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	43731	19.253	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	43716	18.175	ug/l	99
89) n-Butylbenzene	12.335	91	73998	18.164	ug/l	98
90) Hexachloroethane	12.536	117	11895	17.869	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	42732	19.434	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8263	20.531	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	28707	19.070	ug/l	98
94) Hexachlorobutadiene	13.725	225	11147	18.553	ug/l	94
95) Naphthalene	13.774	128	97769	20.563	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	28241	19.681	ug/l	98

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

