

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022824\
 Data File : VX040504.D
 Acq On : 28 Feb 2024 12:10
 Operator : JC/MD
 Sample : VX0228WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/29/2024
 Supervised By : Mahesh Dadoda 02/29/2024

Quant Time: Feb 29 03:46:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	83887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	143022	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70830	50.482	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.960%			
35) Dibromofluoromethane	5.385	113	49591	49.862	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	8.647	98	178598	49.471	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.940%			
62) 4-Bromofluorobenzene	11.079	95	69862	50.766	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20431	19.571	ug/l	96
3) Chloromethane	1.294	50	19713	19.038	ug/l	99
4) Vinyl Chloride	1.374	62	20911	18.675	ug/l	99
5) Bromomethane	1.605	94	15195	24.419	ug/l	94
6) Chloroethane	1.685	64	13850	19.545	ug/l	98
7) Trichlorofluoromethane	1.886	101	36134	20.432	ug/l	93
8) Diethyl Ether	2.136	74	12676	20.506	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	19005	19.964	ug/l	97
10) Methyl Iodide	2.453	142	18961	21.361	ug/l	99
11) Tert butyl alcohol	2.959	59	27326	115.856	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	17738	18.559	ug/l	89
13) Acrolein	2.233	56	21714	143.596	ug/l	97
14) Allyl chloride	2.666	41	32954	19.708	ug/l	94
15) Acrylonitrile	3.062	53	61571	104.069	ug/l	98
16) Acetone	2.380	43	57149	124.899	ug/l	100
17) Carbon Disulfide	2.514	76	44471	16.803	ug/l	99
18) Methyl Acetate	2.703	43	31753	22.510	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	65697	20.152	ug/l	94
20) Methylene Chloride	2.788	84	20557	18.774	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	19567	19.197	ug/l	95
22) Diisopropyl ether	3.764	45	65900	19.612	ug/l	96
23) Vinyl Acetate	3.721	43	304309	98.867	ug/l	100
24) 1,1-Dichloroethane	3.611	63	37989	19.388	ug/l	99
25) 2-Butanone	4.556	43	89813	112.659	ug/l	96
26) 2,2-Dichloropropane	4.477	77	30807	19.747	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	22417	18.799	ug/l	98
28) Bromochloromethane	4.904	49	14883	18.158	ug/l	98
29) Tetrahydrofuran	5.001	42	57915	104.136	ug/l	97
30) Chloroform	5.093	83	41490	19.949	ug/l	100
31) Cyclohexane	5.471	56	29754	18.718	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	35617	20.064	ug/l	98
36) 1,1-Dichloropropene	5.696	75	29152	19.025	ug/l	100
37) Ethyl Acetate	4.715	43	33172	19.781	ug/l	100
38) Carbon Tetrachloride	5.672	117	28764	19.431	ug/l	93
39) Methylcyclohexane	7.379	83	31023	18.752	ug/l	99
40) Benzene	6.044	78	81276	19.591	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	18908	20.185	ug/l	95
42) 1,2-Dichloroethane	6.086	62	36209	21.088	ug/l	98
43) Isopropyl Acetate	6.342	43	54035	20.535	ug/l	97
44) Trichloroethene	7.129	130	21687	19.438	ug/l	100
45) 1,2-Dichloropropane	7.428	63	21776	19.613	ug/l	99
46) Dibromomethane	7.580	93	16760	20.532	ug/l	98
47) Bromodichloromethane	7.824	83	31719	19.735	ug/l	100
48) Methyl methacrylate	7.696	41	27157	20.648	ug/l	91
49) 1,4-Dioxane	7.653	88	11551	464.274	ug/l #	96
51) 4-Methyl-2-Pentanone	8.574	43	186268	107.065	ug/l	98
52) Toluene	8.720	92	50904	19.993	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	32243	19.768	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	34349	19.592	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	22245	21.053	ug/l	99
56) Ethyl methacrylate	9.116	69	32970	20.182	ug/l #	91
57) 1,3-Dichloropropane	9.311	76	37345	20.292	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	88231	103.005	ug/l	95
59) 2-Hexanone	9.427	43	148720	111.184	ug/l	97
60) Dibromochloromethane	9.519	129	23019	20.057	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23813	20.653	ug/l	99
64) Tetrachloroethene	9.275	164	18765	19.414	ug/l	94
65) Chlorobenzene	10.079	112	54827	18.723	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	20615	19.976	ug/l	98
67) Ethyl Benzene	10.195	91	103559	19.319	ug/l	99
68) m/p-Xylenes	10.299	106	76178	38.056	ug/l	95
69) o-Xylene	10.640	106	35844	18.722	ug/l	90
70) Styrene	10.653	104	62330	19.530	ug/l	99
71) Bromoform	10.799	173	16588	19.636	ug/l #	100
73) Isopropylbenzene	10.963	105	99972	19.643	ug/l	99
74) N-amyl acetate	10.842	43	45288	19.159	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	35663	19.376	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31220m	20.527	ug/l	
77) Bromobenzene	11.195	156	23450	19.486	ug/l	97
78) n-propylbenzene	11.305	91	121306	19.215	ug/l	98
79) 2-Chlorotoluene	11.366	91	72242	19.009	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	85501	19.753	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	9066	19.858	ug/l	94
82) 4-Chlorotoluene	11.451	91	85013	19.345	ug/l	99
83) tert-Butylbenzene	11.713	119	78808	19.312	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	85368	19.878	ug/l	99
85) sec-Butylbenzene	11.890	105	105776	19.731	ug/l	100
86) p-Isopropyltoluene	12.006	119	86224	19.512	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	45650	19.031	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	46130	18.891	ug/l	98
89) n-Butylbenzene	12.335	91	82973	19.085	ug/l	95
90) Hexachloroethane	12.536	117	13762	18.712	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	44272	19.368	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9315	21.708	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	29478	19.760	ug/l	95
94) Hexachlorobutadiene	13.725	225	11829	19.401	ug/l	98
95) Naphthalene	13.774	128	96642	20.272	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	28273	19.937	ug/l	97

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

