

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062623\
 Data File : VX036328.D
 Acq On : 26 Jun 2023 14:23
 Operator : JC/MD
 Sample : VX0626WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0626WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/27/2023
 Supervised By : Mahesh Dadoda 06/27/2023

Quant Time: Jun 27 04:22:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	265577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	448381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	417384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	199479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	203590	53.480	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.960%			
35) Dibromofluoromethane	5.379	113	157672	53.331	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.660%			
50) Toluene-d8	8.647	98	578934	52.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.860%			
62) 4-Bromofluorobenzene	11.079	95	213954	55.007	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	43434	17.275	ug/l	97
3) Chloromethane	1.294	50	65477	15.012	ug/l	100
4) Vinyl Chloride	1.374	62	72099	15.120	ug/l	99
5) Bromomethane	1.617	94	57644	16.521	ug/l	98
6) Chloroethane	1.691	64	57725	16.490	ug/l	95
7) Trichlorofluoromethane	1.886	101	118093	16.290	ug/l	96
8) Diethyl Ether	2.130	74	48894	17.471	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	55313	18.180	ug/l	96
10) Methyl Iodide	2.453	142	65987	17.899	ug/l	93
11) Tert butyl alcohol	2.989	59	71133	102.652	ug/l	97
12) 1,1-Dichloroethene	2.319	96	52220	17.302	ug/l	90
13) Acrolein	2.239	56	80414	84.497	ug/l	100
14) Allyl chloride	2.666	41	92121	18.781	ug/l	97
15) Acrylonitrile	3.068	53	167923	95.604	ug/l	99
16) Acetone	2.392	43	144041	88.523	ug/l	95
17) Carbon Disulfide	2.514	76	126711	17.094	ug/l	100
18) Methyl Acetate	2.703	43	134769	20.141	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	198504	20.351	ug/l	100
20) Methylene Chloride	2.788	84	62604	17.869	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	55677	17.287	ug/l	92
22) Diisopropyl ether	3.757	45	193518	19.689	ug/l	91
23) Vinyl Acetate	3.721	43	732375	102.680	ug/l	97
24) 1,1-Dichloroethane	3.611	63	107918	18.631	ug/l	100
25) 2-Butanone	4.562	43	228928	97.920	ug/l	98
26) 2,2-Dichloropropane	4.477	77	87419	21.280	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	67973	18.818	ug/l	93
28) Bromochloromethane	4.891	49	70575	23.493	ug/l	87
29) Tetrahydrofuran	5.007	42	147658	99.202	ug/l	95
30) Chloroform	5.092	83	112892	19.350	ug/l	96
31) Cyclohexane	5.470	56	87352	17.906	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	93961	19.281	ug/l	98
36) 1,1-Dichloropropene	5.690	75	79531	18.046	ug/l	98
37) Ethyl Acetate	4.715	43	93439	20.803	ug/l	98
38) Carbon Tetrachloride	5.678	117	79376	19.720	ug/l	97
39) Methylcyclohexane	7.379	83	96675	18.315	ug/l	95
40) Benzene	6.037	78	238485	19.372	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	50739	20.363	ug/l	94
42) 1,2-Dichloroethane	6.080	62	94112	20.098	ug/l	98
43) Isopropyl Acetate	6.336	43	157363	21.961	ug/l	99
44) Trichloroethene	7.123	130	62261	18.183	ug/l	95
45) 1,2-Dichloropropane	7.427	63	64769	19.317	ug/l	100
46) Dibromomethane	7.580	93	47543	20.144	ug/l	94
47) Bromodichloromethane	7.818	83	85602	20.056	ug/l	98
48) Methyl methacrylate	7.690	41	76325	21.363	ug/l	94
49) 1,4-Dioxane	7.696	88	30320	382.814	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	485266	105.116	ug/l	98
52) Toluene	8.720	92	152832	19.589	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	95676	22.191	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	102757	21.084	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	65919	20.330	ug/l	98
56) Ethyl methacrylate	9.116	69	103085	21.255	ug/l	97
57) 1,3-Dichloropropane	9.305	76	111158	20.003	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	249575	91.567	ug/l	98
59) 2-Hexanone	9.427	43	361284	107.168	ug/l	98
60) Dibromochloromethane	9.518	129	65966	20.939	ug/l	99
61) 1,2-Dibromoethane	9.610	107	70713	20.550	ug/l	98
64) Tetrachloroethene	9.275	164	56282	19.097	ug/l	98
65) Chlorobenzene	10.079	112	170163	19.394	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	60614	20.438	ug/l	98
67) Ethyl Benzene	10.195	91	295527	18.946	ug/l	97
68) m/p-Xylenes	10.299	106	227771	37.584	ug/l	98
69) o-Xylene	10.640	106	112614	19.243	ug/l	99
70) Styrene	10.652	104	183946	19.197	ug/l	98
71) Bromoform	10.799	173	45589	21.432	ug/l #	100
73) Isopropylbenzene	10.963	105	289822	19.279	ug/l	97
74) N-amyl acetate	10.841	43	131265	22.076	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	100085	19.660	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	85709m	20.143	ug/l	
77) Bromobenzene	11.195	156	70548	19.085	ug/l	94
78) n-propylbenzene	11.305	91	338616	19.287	ug/l	99
79) 2-Chlorotoluene	11.360	91	204313	19.563	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	247152	19.413	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28998	22.216	ug/l	95
82) 4-Chlorotoluene	11.451	91	234896	19.319	ug/l	97
83) tert-Butylbenzene	11.713	119	238064	19.512	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	249512	19.810	ug/l	98
85) sec-Butylbenzene	11.890	105	295292	19.104	ug/l	99
86) p-Isopropyltoluene	12.006	119	252012	19.428	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	130717	19.234	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	130794	18.900	ug/l	98
89) n-Butylbenzene	12.329	91	225105	19.499	ug/l	98
90) Hexachloroethane	12.536	117	39482	20.096	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	128615	19.219	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20453	21.152	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	81170	19.693	ug/l	96
94) Hexachlorobutadiene	13.725	225	33536	19.866	ug/l	99
95) Naphthalene	13.774	128	274851	20.184	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	80289	19.969	ug/l	98

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

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