

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092723\
 Data File : VX037915.D
 Acq On : 27 Sep 2023 11:30
 Operator : JC/MD
 Sample : VX0927WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/28/2023
 Supervised By : Semsettin Yesilyurt 09/28/2023

Quant Time: Sep 28 01:17:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	228745	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	366197	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	352515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	197883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153132	50.953	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.900%			
35) Dibromofluoromethane	5.385	113	133274	54.392	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.780%			
50) Toluene-d8	8.647	98	482462	52.994	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.980%			
62) 4-Bromofluorobenzene	11.079	95	185784	56.157	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.320%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	39740	16.483	ug/l	98
3) Chloromethane	1.300	50	43115	16.435	ug/l	97
4) Vinyl Chloride	1.374	62	47049	16.624	ug/l	99
5) Bromomethane	1.605	94	36847	18.186	ug/l	99
6) Chloroethane	1.691	64	32899	16.874	ug/l	93
7) Trichlorofluoromethane	1.892	101	82792	18.196	ug/l	99
8) Diethyl Ether	2.136	74	32379	18.368	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	43840	18.986	ug/l	96
10) Methyl Iodide	2.453	142	52950	17.328	ug/l	93
11) Tert butyl alcohol	2.953	59	54345	84.244	ug/l	# 95
12) 1,1-Dichloroethene	2.319	96	39744	17.810	ug/l	87
13) Acrolein	2.233	56	51229	80.385	ug/l	99
14) Allyl chloride	2.666	41	63713	17.142	ug/l	97
15) Acrylonitrile	3.062	53	129276	90.133	ug/l	98
16) Acetone	2.373	43	117097	80.993	ug/l	# 89
17) Carbon Disulfide	2.514	76	85157	15.220	ug/l	100
18) Methyl Acetate	2.703	43	95413	18.294	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	151992	18.515	ug/l	100
20) Methylene Chloride	2.788	84	50026	18.700	ug/l	# 87
21) trans-1,2-Dichloroethene	3.093	96	44879	18.111	ug/l	90
22) Diisopropyl ether	3.757	45	144791	18.702	ug/l	96
23) Vinyl Acetate	3.721	43	520804	91.455	ug/l	# 94
24) 1,1-Dichloroethane	3.611	63	83977	18.101	ug/l	97
25) 2-Butanone	4.556	43	170127	83.387	ug/l	90
26) 2,2-Dichloropropane	4.477	77	68272	18.212	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	55873	18.392	ug/l	89
28) Bromochloromethane	4.897	49	40757	18.831	ug/l	# 79
29) Tetrahydrofuran	5.001	42	105900	83.448	ug/l	89
30) Chloroform	5.099	83	93692	18.747	ug/l	99
31) Cyclohexane	5.477	56	65923	17.090	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	78941	18.655	ug/l	98
36) 1,1-Dichloropropene	5.696	75	63232	18.734	ug/l	96
37) Ethyl Acetate	4.708	43	65786	17.729	ug/l	96
38) Carbon Tetrachloride	5.678	117	66781	18.909	ug/l	98
39) Methylcyclohexane	7.385	83	77649	18.126	ug/l	92
40) Benzene	6.037	78	192884	18.583	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	34512	18.241	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	72516	19.330	ug/l	96
43) Isopropyl Acetate	6.336	43	109308	18.422	ug/l #	95
44) Trichloroethene	7.129	130	53842	18.627	ug/l	96
45) 1,2-Dichloropropane	7.434	63	51491	19.102	ug/l	100
46) Dibromomethane	7.586	93	38908	20.066	ug/l	93
47) Bromodichloromethane	7.824	83	70355	19.701	ug/l	97
48) Methyl methacrylate	7.690	41	52525	18.518	ug/l #	87
49) 1,4-Dioxane	7.659	88	24520	329.743	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	348681	92.623	ug/l	96
52) Toluene	8.720	92	127495	19.059	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	74248	19.884	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	80498	19.479	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	55765	19.772	ug/l	93
56) Ethyl methacrylate	9.116	69	79282	18.830	ug/l	91
57) 1,3-Dichloropropane	9.311	76	89555	19.623	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	174315	88.662	ug/l	98
59) 2-Hexanone	9.427	43	265996	90.751	ug/l	94
60) Dibromochloromethane	9.518	129	56383	20.068	ug/l	99
61) 1,2-Dibromoethane	9.610	107	59436	19.904	ug/l	100
64) Tetrachloroethene	9.275	164	45704	19.011	ug/l	95
65) Chlorobenzene	10.079	112	143459	18.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	52281	19.402	ug/l	99
67) Ethyl Benzene	10.195	91	251657	19.089	ug/l	98
68) m/p-Xylenes	10.299	106	194211	38.125	ug/l	98
69) o-Xylene	10.640	106	95423	18.680	ug/l	98
70) Styrene	10.652	104	161585	19.704	ug/l	96
71) Bromoform	10.799	173	40517	19.034	ug/l #	99
73) Isopropylbenzene	10.963	105	255557	17.603	ug/l	98
74) N-amyl acetate	10.841	43	99336	16.895	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	91247	17.871	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	78140m	17.073	ug/l	
77) Bromobenzene	11.195	156	64976	18.083	ug/l	87
78) n-propylbenzene	11.305	91	304954	18.600	ug/l	99
79) 2-Chlorotoluene	11.366	91	178922	17.699	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	219347	17.891	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	22425	15.695	ug/l	96
82) 4-Chlorotoluene	11.457	91	211243	18.561	ug/l	96
83) tert-Butylbenzene	11.713	119	217635	17.564	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	220367	18.065	ug/l	97
85) sec-Butylbenzene	11.890	105	284555	18.929	ug/l	99
86) p-Isopropyltoluene	12.012	119	240086	19.169	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	127764	19.074	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	130976	19.109	ug/l	98
89) n-Butylbenzene	12.329	91	221217	20.162	ug/l	97
90) Hexachloroethane	12.536	117	37064	17.466	ug/l	85
91) 1,2-Dichlorobenzene	12.335	146	126703	18.527	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17775	17.465	ug/l	79
93) 1,2,4-Trichlorobenzene	13.585	180	86752	21.535	ug/l	97
94) Hexachlorobutadiene	13.725	225	38419	20.423	ug/l	99
95) Naphthalene	13.774	128	265330	19.475	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	83581	20.161	ug/l	97

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

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