

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092923\
 Data File : VX037967.D
 Acq On : 29 Sep 2023 11:55
 Operator : JC/MD
 Sample : VX0929WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0929WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/30/2023
 Supervised By : Mahesh Dadoda 10/02/2023

Quant Time: Sep 29 23:01:47 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	5.556	168	221665	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	353240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	340914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	193961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	145232	49.868	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.740%		
35) Dibromofluoromethane	5.385	113	126900	53.690	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.380%		
50) Toluene-d8	8.647	98	461135	52.509	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	105.020%		
62) 4-Bromofluorobenzene	11.079	95	181810	56.972	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	113.940%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	35346	15.128	ug/l	99
3) Chloromethane	1.294	50	42343	16.657	ug/l	97
4) Vinyl Chloride	1.374	62	48610	17.725	ug/l	100
5) Bromomethane	1.605	94	40467	20.611	ug/l	96
6) Chloroethane	1.685	64	33693	17.833	ug/l	97
7) Trichlorofluoromethane	1.886	101	85287	19.343	ug/l	98
8) Diethyl Ether	2.130	74	32380	18.956	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	43782	19.566	ug/l	94
10) Methyl Iodide	2.453	142	57283	19.345	ug/l	92
11) Tert butyl alcohol	2.953	59	55963	89.523	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	41759	19.310	ug/l	84
13) Acrolein	2.233	56	53181	86.114	ug/l	100
14) Allyl chloride	2.666	41	64828	17.999	ug/l	# 96
15) Acrylonitrile	3.062	53	129518	93.186	ug/l	99
16) Acetone	2.373	43	121234	86.533	ug/l	91
17) Carbon Disulfide	2.514	76	100489	18.534	ug/l	98
18) Methyl Acetate	2.703	43	91934	18.190	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	152960	19.228	ug/l	99
20) Methylene Chloride	2.788	84	51526	19.878	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	47313	19.703	ug/l	89
22) Diisopropyl ether	3.757	45	142136	18.945	ug/l	# 96
23) Vinyl Acetate	3.721	43	524901	95.119	ug/l	96
24) 1,1-Dichloroethane	3.611	63	84193	18.727	ug/l	99
25) 2-Butanone	4.550	43	174395	88.209	ug/l	93
26) 2,2-Dichloropropane	4.471	77	66988	18.441	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	57538	19.545	ug/l	89
28) Bromochloromethane	4.897	49	35236	16.800	ug/l	# 81
29) Tetrahydrofuran	5.001	42	111020	90.277	ug/l	88
30) Chloroform	5.093	83	93661	19.339	ug/l	99
31) Cyclohexane	5.470	56	71611	19.158	ug/l	90
32) 1,1,1-Trichloroethane	5.385	97	79205	19.315	ug/l	97
36) 1,1-Dichloropropene	5.696	75	66647	20.470	ug/l	96
37) Ethyl Acetate	4.715	43	67658	18.902	ug/l	96
38) Carbon Tetrachloride	5.672	117	69138	20.295	ug/l	93
39) Methylcyclohexane	7.385	83	85196	20.617	ug/l	93
40) Benzene	6.037	78	200828	20.058	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	34457	18.880	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	73258	20.244	ug/l	97
43) Isopropyl Acetate	6.336	43	109263	19.090	ug/l #	96
44) Trichloroethene	7.129	130	55753	19.995	ug/l	94
45) 1,2-Dichloropropane	7.427	63	51191	19.688	ug/l	99
46) Dibromomethane	7.586	93	38330	20.493	ug/l	90
47) Bromodichloromethane	7.824	83	68816	19.977	ug/l	97
48) Methyl methacrylate	7.696	41	52710	19.265	ug/l #	87
49) 1,4-Dioxane	7.659	88	27918	389.210	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	349819	96.334	ug/l	96
52) Toluene	8.720	92	132761	20.574	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	73849	20.503	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	81097	20.344	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	55674	20.464	ug/l	97
56) Ethyl methacrylate	9.116	69	80984	19.940	ug/l	89
57) 1,3-Dichloropropane	9.311	76	89003	20.217	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	163392	86.154	ug/l	97
59) 2-Hexanone	9.427	43	270071	95.521	ug/l	94
60) Dibromochloromethane	9.519	129	54953	20.276	ug/l	99
61) 1,2-Dibromoethane	9.610	107	60354	20.953	ug/l	99
64) Tetrachloroethene	9.275	164	48382	20.810	ug/l	98
65) Chlorobenzene	10.079	112	148387	20.179	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	52487	20.141	ug/l	99
67) Ethyl Benzene	10.195	91	260836	20.459	ug/l	98
68) m/p-Xylenes	10.299	106	203952	41.399	ug/l	97
69) o-Xylene	10.640	106	98916	20.023	ug/l	98
70) Styrene	10.652	104	165489	20.866	ug/l	96
71) Bromoform	10.799	173	39838	19.352	ug/l #	100
73) Isopropylbenzene	10.963	105	264600	18.595	ug/l	99
74) N-amyl acetate	10.841	43	99658	17.293	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	89144	17.813	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	77685m	17.317	ug/l	
77) Bromobenzene	11.195	156	66702	18.938	ug/l	86
78) n-propylbenzene	11.305	91	313938	19.535	ug/l	99
79) 2-Chlorotoluene	11.366	91	181854	18.353	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	229426	19.092	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22315	15.934	ug/l	93
82) 4-Chlorotoluene	11.451	91	215887	19.352	ug/l	96
83) tert-Butylbenzene	11.713	119	223120	18.371	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	228766	19.133	ug/l	98
85) sec-Butylbenzene	11.890	105	290052	19.685	ug/l	100
86) p-Isopropyltoluene	12.006	119	242381	19.744	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	128891	19.632	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	133477	19.867	ug/l	98
89) n-Butylbenzene	12.329	91	228882	21.283	ug/l	97
90) Hexachloroethane	12.536	117	37057	17.816	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	127936	19.086	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17670	17.713	ug/l	75
93) 1,2,4-Trichlorobenzene	13.585	180	87038	22.043	ug/l	97
94) Hexachlorobutadiene	13.725	225	38857	21.073	ug/l	98
95) Naphthalene	13.774	128	268093	20.076	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	83785	20.619	ug/l	97

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

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