

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092923\
 Data File : VX037966.D
 Acq On : 29 Sep 2023 11:27
 Operator : JC/MD
 Sample : VX0929WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0929WBS01

Manual Integrations
 APPROVED

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

Quant Time: Sep 29 23:00:46 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	226450	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	374734	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	200076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	152165	51.144	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.280%			
35) Dibromofluoromethane	5.385	113	134426	53.612	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.220%			
50) Toluene-d8	8.653	98	482344	51.774	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.540%			
62) 4-Bromofluorobenzene	11.079	95	187156	55.283	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	35766	14.985	ug/l	99
3) Chloromethane	1.294	50	45273	17.433	ug/l	99
4) Vinyl Chloride	1.373	62	51257	18.295	ug/l	99
5) Bromomethane	1.605	94	40883	20.383	ug/l	97
6) Chloroethane	1.690	64	35725	18.509	ug/l	94
7) Trichlorofluoromethane	1.892	101	88559	19.661	ug/l	99
8) Diethyl Ether	2.135	74	33828	19.385	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.331	101	44396	19.422	ug/l	95
10) Methyl Iodide	2.452	142	57657	19.060	ug/l	92
11) Tert butyl alcohol	2.952	59	54519	85.370	ug/l #	93
12) 1,1-Dichloroethene	2.318	96	42832	19.388	ug/l	86
13) Acrolein	2.233	56	53530	84.847	ug/l	100
14) Allyl chloride	2.666	41	66685	18.123	ug/l #	96
15) Acrylonitrile	3.062	53	128671	90.621	ug/l	99
16) Acetone	2.379	43	124474	86.968	ug/l #	89
17) Carbon Disulfide	2.513	76	103555	18.696	ug/l	99
18) Methyl Acetate	2.702	43	93651	18.138	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	152026	18.707	ug/l	99
20) Methylene Chloride	2.794	84	53266	20.115	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	49778	20.291	ug/l	89
22) Diisopropyl ether	3.757	45	144356	18.835	ug/l #	89
23) Vinyl Acetate	3.721	43	527048	93.490	ug/l	96
24) 1,1-Dichloroethane	3.611	63	86912	18.924	ug/l	99
25) 2-Butanone	4.562	43	172962	85.636	ug/l #	90
26) 2,2-Dichloropropane	4.483	77	68594	18.484	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	58820	19.558	ug/l	89
28) Bromochloromethane	4.903	49	35371	16.508	ug/l #	80
29) Tetrahydrofuran	5.013	42	108867	86.656	ug/l	88
30) Chloroform	5.098	83	97076	19.621	ug/l	98
31) Cyclohexane	5.476	56	75392	19.743	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	83130	19.844	ug/l	97
36) 1,1-Dichloropropene	5.702	75	68516	19.837	ug/l	94
37) Ethyl Acetate	4.714	43	65867	17.346	ug/l	95
38) Carbon Tetrachloride	5.684	117	70443	19.492	ug/l	98
39) Methylcyclohexane	7.378	83	86357	19.699	ug/l	93
40) Benzene	6.043	78	209313	19.706	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	34921	18.036	ug/l #	87
42) 1,2-Dichloroethane	6.092	62	73920	19.255	ug/l	96
43) Isopropyl Acetate	6.342	43	108916	17.938	ug/l	95
44) Trichloroethene	7.128	130	57980	19.601	ug/l	93
45) 1,2-Dichloropropane	7.433	63	53077	19.242	ug/l	99
46) Dibromomethane	7.586	93	39463	19.889	ug/l	91
47) Bromodichloromethane	7.823	83	71344	19.523	ug/l	100
48) Methyl methacrylate	7.695	41	53068	18.283	ug/l #	87
49) 1,4-Dioxane	7.659	88	27371	359.697	ug/l #	87
51) 4-Methyl-2-Pentanone	8.573	43	348947	90.582	ug/l	95
52) Toluene	8.720	92	137300	20.057	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	75020	19.633	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	83633	19.777	ug/l #	89
55) 1,1,2-Trichloroethane	9.152	97	56371	19.532	ug/l	98
56) Ethyl methacrylate	9.116	69	81007	18.801	ug/l	91
57) 1,3-Dichloropropane	9.311	76	90909	19.465	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	162750	80.894	ug/l	98
59) 2-Hexanone	9.433	43	267972	89.342	ug/l	93
60) Dibromochloromethane	9.518	129	57090	19.857	ug/l	99
61) 1,2-Dibromoethane	9.610	107	60979	19.956	ug/l	99
64) Tetrachloroethene	9.274	164	48863	19.840	ug/l	97
65) Chlorobenzene	10.079	112	151476	19.446	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	53338	19.321	ug/l	99
67) Ethyl Benzene	10.195	91	266132	19.705	ug/l	100
68) m/p-Xylenes	10.305	106	210521	40.340	ug/l	96
69) o-Xylene	10.640	106	102184	19.526	ug/l	97
70) Styrene	10.658	104	171019	20.356	ug/l	96
71) Bromoform	10.799	173	40366	18.510	ug/l #	99
73) Isopropylbenzene	10.963	105	268254	18.275	ug/l	99
74) N-amyl acetate	10.841	43	99382	16.718	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	90781	17.585	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	78146m	16.887	ug/l	
77) Bromobenzene	11.195	156	67570	18.598	ug/l	87
78) n-propylbenzene	11.305	91	319320	19.263	ug/l	99
79) 2-Chlorotoluene	11.365	91	188332	18.425	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	232883	18.787	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23079	15.976	ug/l	93
82) 4-Chlorotoluene	11.457	91	219808	19.102	ug/l	96
83) tert-Butylbenzene	11.713	119	226485	18.078	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	232010	18.811	ug/l	96
85) sec-Butylbenzene	11.890	105	290277	19.098	ug/l	98
86) p-Isopropyltoluene	12.006	119	248083	19.591	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	131813	19.463	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	134771	19.447	ug/l	98
89) n-Butylbenzene	12.335	91	228196	20.570	ug/l	96
90) Hexachloroethane	12.536	117	38126	17.769	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	127795	18.482	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	17809	17.306	ug/l	76
93) 1,2,4-Trichlorobenzene	13.585	180	88927	21.833	ug/l	96
94) Hexachlorobutadiene	13.725	225	38065	20.013	ug/l	98
95) Naphthalene	13.774	128	267796	19.441	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	84575	20.178	ug/l	97

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

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