

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110723\
 Data File : VX038631.D
 Acq On : 07 Nov 2023 13:59
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/08/2023
 Supervised By : Mahesh Dadoda 11/08/2023

Quant Time: Nov 08 03:03:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 01:38:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	327068	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	503572	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	477767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	266033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	23169	5.690	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.380%#		
35) Dibromofluoromethane	5.385	113	19207	5.296	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.600%#		
50) Toluene-d8	8.647	98	70767	5.453	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.900%#		
62) 4-Bromofluorobenzene	11.079	95	25589	5.085	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.180%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	15789	4.649	ug/l	92
3) Chloromethane	1.301	50	14316	4.876	ug/l	98
4) Vinyl Chloride	1.374	62	14747	4.719	ug/l	91
5) Bromomethane	1.599	94	13749	5.700	ug/l	91
6) Chloroethane	1.685	64	10262	5.186	ug/l	# 87
7) Trichlorofluoromethane	1.886	101	26960	5.004	ug/l	96
8) Diethyl Ether	2.136	74	9098	4.919	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.325	101	16002	5.023	ug/l	92
10) Methyl Iodide	2.453	142	15314	3.892	ug/l	90
11) Tert butyl alcohol	2.959	59	25148	30.211	ug/l	100
12) 1,1-Dichloroethene	2.319	96	14789	4.845	ug/l	82
13) Acrolein	2.233	56	17057	27.036	ug/l	100
14) Allyl chloride	2.666	41	21169	4.842	ug/l	# 94
15) Acrylonitrile	3.062	53	43523	24.775	ug/l	99
16) Acetone	2.380	43	42094	24.546	ug/l	96
17) Carbon Disulfide	2.508	76	38965	4.804	ug/l	100
18) Methyl Acetate	2.703	43	35520	4.862	ug/l	# 88
19) Methyl tert-butyl Ether	3.117	73	48048	4.922	ug/l	94
20) Methylene Chloride	2.788	84	17366	5.023	ug/l	# 86
21) trans-1,2-Dichloroethene	3.093	96	16504	4.967	ug/l	# 80
22) Diisopropyl ether	3.763	45	40278	4.888	ug/l	# 95
23) Vinyl Acetate	3.721	43	138991	23.765	ug/l	# 90
24) 1,1-Dichloroethane	3.611	63	27270	5.002	ug/l	99
25) 2-Butanone	4.556	43	60273	24.262	ug/l	# 87
26) 2,2-Dichloropropane	4.471	77	22688	4.767	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	18983	4.947	ug/l	85
28) Bromochloromethane	4.904	49	11826	4.827	ug/l	# 65
29) Tetrahydrofuran	5.013	42	37624	24.343	ug/l	# 82
30) Chloroform	5.093	83	31738	4.962	ug/l	99
31) Cyclohexane	5.464	56	22423	4.976	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	27798	4.938	ug/l	96
36) 1,1-Dichloropropene	5.696	75	21405	4.751	ug/l	94
37) Ethyl Acetate	4.721	43	22142	4.814	ug/l	# 94
38) Carbon Tetrachloride	5.678	117	23878	4.741	ug/l	95
39) Methylcyclohexane	7.385	83	26973	4.789	ug/l	91
40) Benzene	6.037	78	64093	4.939	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	10888	4.646	ug/l #	81
42) 1,2-Dichloroethane	6.092	62	22967	4.905	ug/l	94
43) Isopropyl Acetate	6.336	43	33696	4.765	ug/l #	94
44) Trichloroethene	7.129	130	19929	4.936	ug/l	88
45) 1,2-Dichloropropane	7.434	63	14946	4.765	ug/l	95
46) Dibromomethane	7.580	93	12924	4.926	ug/l #	85
47) Bromodichloromethane	7.824	83	23854	4.835	ug/l	97
48) Methyl methacrylate	7.696	41	15666	4.597	ug/l #	82
49) 1,4-Dioxane	7.665	88	7275	93.769	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	112132	24.337	ug/l	93
52) Toluene	8.720	92	41963	4.936	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	22892	4.558	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	24405	4.603	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	17706	4.909	ug/l	95
56) Ethyl methacrylate	9.116	69	22943	4.546	ug/l	88
57) 1,3-Dichloropropane	9.311	76	27153	4.833	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	57881	23.328	ug/l	90
59) 2-Hexanone	9.433	43	88855	23.834	ug/l	93
60) Dibromochloromethane	9.519	129	18502	4.570	ug/l	100
61) 1,2-Dibromoethane	9.610	107	19572	4.828	ug/l	99
64) Tetrachloroethene	9.275	164	18230	5.098	ug/l	94
65) Chlorobenzene	10.079	112	48145	4.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	17759	4.857	ug/l	98
67) Ethyl Benzene	10.195	91	80614	4.900	ug/l	96
68) m/p-Xylenes	10.299	106	62999	9.649	ug/l	98
69) o-Xylene	10.640	106	30828	4.855	ug/l	96
70) Styrene	10.653	104	48997	4.676	ug/l	96
71) Bromoform	10.799	173	14099	4.369	ug/l #	100
73) Isopropylbenzene	10.963	105	80356	4.923	ug/l	98
74) N-amyl acetate	10.841	43	25091	4.425	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	27606	4.893	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	25202m	4.783	ug/l	
77) Bromobenzene	11.201	156	21980	4.907	ug/l	83
78) n-propylbenzene	11.305	91	92859	4.889	ug/l	98
79) 2-Chlorotoluene	11.366	91	56382	4.959	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	68962	4.910	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	6923	5.277	ug/l	95
82) 4-Chlorotoluene	11.457	91	66882	5.035	ug/l	95
83) tert-Butylbenzene	11.713	119	68945	4.844	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	67941	4.877	ug/l	98
85) sec-Butylbenzene	11.890	105	86350	4.862	ug/l	98
86) p-Isopropyltoluene	12.012	119	71449	4.723	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	42384	4.949	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	44431	5.048	ug/l	99
89) n-Butylbenzene	12.335	91	63041	4.682	ug/l	95
90) Hexachloroethane	12.536	117	11344	4.427	ug/l	84
91) 1,2-Dichlorobenzene	12.335	146	41664	4.982	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	6256	4.412	ug/l	70
93) 1,2,4-Trichlorobenzene	13.591	180	28522	4.768	ug/l	97
94) Hexachlorobutadiene	13.725	225	12513	4.848	ug/l	98
95) Naphthalene	13.774	128	84377	4.676	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	28249	4.791	ug/l	98

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

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