

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091523\
 Data File : VX037745.D
 Acq On : 15 Sep 2023 09:49
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/18/2023
 Supervised By : Mahesh Dadoda 09/18/2023

Quant Time: Sep 16 04:28:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:24:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	238299	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	395398	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	188247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55093	17.597	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	35.200%	#	
35) Dibromofluoromethane	5.385	113	44836	16.947	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	33.900%	#	
50) Toluene-d8	8.653	98	170639	17.359	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	34.720%	#	
62) 4-Bromofluorobenzene	11.079	95	61582	17.240	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	34.480%	#	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	51277	20.415	ug/l	96
3) Chloromethane	1.301	50	55426	20.281	ug/l	96
4) Vinyl Chloride	1.374	62	60110	20.388	ug/l	100
5) Bromomethane	1.599	94	47623	22.563	ug/l	97
6) Chloroethane	1.685	64	39698	19.545	ug/l	95
7) Trichlorofluoromethane	1.886	101	98558	20.793	ug/l	99
8) Diethyl Ether	2.136	74	37061	20.182	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	47025	19.549	ug/l	95
10) Methyl Iodide	2.453	142	66095	20.762	ug/l	93
11) Tert butyl alcohol	2.959	59	70128	104.351	ug/l	# 93
12) 1,1-Dichloroethene	2.319	96	47519	20.440	ug/l	87
13) Acrolein	2.233	56	65554	98.739	ug/l	100
14) Allyl chloride	2.666	41	76192	19.678	ug/l	# 96
15) Acrylonitrile	3.062	53	152113	101.803	ug/l	99
16) Acetone	2.380	43	155381	103.164	ug/l	# 88
17) Carbon Disulfide	2.514	76	113281	19.435	ug/l	100
18) Methyl Acetate	2.703	43	108815	20.027	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	172170	20.132	ug/l	97
20) Methylene Chloride	2.788	84	58178	20.878	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	52401	20.299	ug/l	90
22) Diisopropyl ether	3.764	45	162006	20.087	ug/l	# 89
23) Vinyl Acetate	3.721	43	604896	101.963	ug/l	97
24) 1,1-Dichloroethane	3.611	63	96552	19.977	ug/l	98
25) 2-Butanone	4.556	43	215062	101.213	ug/l	90
26) 2,2-Dichloropropane	4.477	77	76159	19.502	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	62600	19.780	ug/l	90
28) Bromochloromethane	4.898	49	41030	18.197	ug/l	84
29) Tetrahydrofuran	5.007	42	134927	102.065	ug/l	90
30) Chloroform	5.099	83	103000	19.783	ug/l	95
31) Cyclohexane	5.471	56	82365	20.496	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	90438	20.515	ug/l	97
36) 1,1-Dichloropropene	5.690	75	73258	20.101	ug/l	98
37) Ethyl Acetate	4.715	43	80676	20.619	ug/l	96
38) Carbon Tetrachloride	5.678	117	76456	20.050	ug/l	97
39) Methylcyclohexane	7.379	83	90407	19.545	ug/l	95
40) Benzene	6.038	78	224128	19.998	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	39524	19.347	ug/l #	85
42) 1,2-Dichloroethane	6.092	62	81143	19.971	ug/l	96
43) Isopropyl Acetate	6.342	43	126531	19.750	ug/l	96
44) Trichloroethene	7.129	130	58744	18.822	ug/l	98
45) 1,2-Dichloropropane	7.434	63	57752	19.843	ug/l	100
46) Dibromomethane	7.580	93	42250	20.180	ug/l	93
47) Bromodichloromethane	7.824	83	75918	19.689	ug/l	96
48) Methyl methacrylate	7.696	41	61168	19.973	ug/l #	87
49) 1,4-Dioxane	7.659	88	34228	426.301	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	419772	103.272	ug/l	96
52) Toluene	8.720	92	145109	20.090	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	79850	19.895	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	88968	19.939	ug/l	89
55) 1,1,2-Trichloroethane	9.153	97	61296	20.128	ug/l	96
56) Ethyl methacrylate	9.116	69	90143	19.828	ug/l	93
57) 1,3-Dichloropropane	9.311	76	98539	19.997	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	203351	95.792	ug/l	99
59) 2-Hexanone	9.433	43	330851	104.541	ug/l	95
60) Dibromochloromethane	9.519	129	59680	19.673	ug/l	100
61) 1,2-Dibromoethane	9.610	107	65469	20.305	ug/l	99
64) Tetrachloroethene	9.275	164	50510	19.879	ug/l	98
65) Chlorobenzene	10.080	112	156668	19.495	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	56596	19.873	ug/l	98
67) Ethyl Benzene	10.195	91	280970	20.166	ug/l	98
68) m/p-Xylenes	10.299	106	219349	40.742	ug/l	97
69) o-Xylene	10.640	106	107821	19.971	ug/l	99
70) Styrene	10.653	104	174560	20.140	ug/l	96
71) Bromoform	10.799	173	43905	19.540	ug/l #	99
73) Isopropylbenzene	10.964	105	282929	20.486	ug/l	99
74) N-amyl acetate	10.842	43	115091	20.577	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	99286	20.441	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	88711m	19.256	ug/l	
77) Bromobenzene	11.195	156	68378	20.003	ug/l	89
78) n-propylbenzene	11.305	91	317991	20.388	ug/l	98
79) 2-Chlorotoluene	11.366	91	194582	20.233	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	241885	20.739	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24803	18.248	ug/l	95
82) 4-Chlorotoluene	11.451	91	220240	20.342	ug/l	97
83) tert-Butylbenzene	11.713	119	237790	20.173	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	241521	20.813	ug/l	98
85) sec-Butylbenzene	11.890	105	294680	20.606	ug/l	99
86) p-Isopropyltoluene	12.006	119	243460	20.466	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	127706	20.042	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	126510	19.459	ug/l	98
89) n-Butylbenzene	12.329	91	207521	19.882	ug/l	97
90) Hexachloroethane	12.536	117	40056	19.842	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	131022	20.139	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19907	20.561	ug/l	79
93) 1,2,4-Trichlorobenzene	13.585	180	76663	20.005	ug/l	96
94) Hexachlorobutadiene	13.725	225	35937	20.094	ug/l	98
95) Naphthalene	13.774	128	264839	20.434	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	78935	20.015	ug/l	98

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

